IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

M Series Sensor Connector

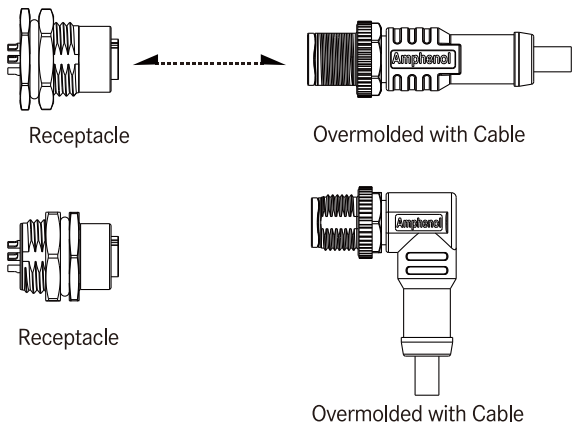
M8 / Guided M8

M12

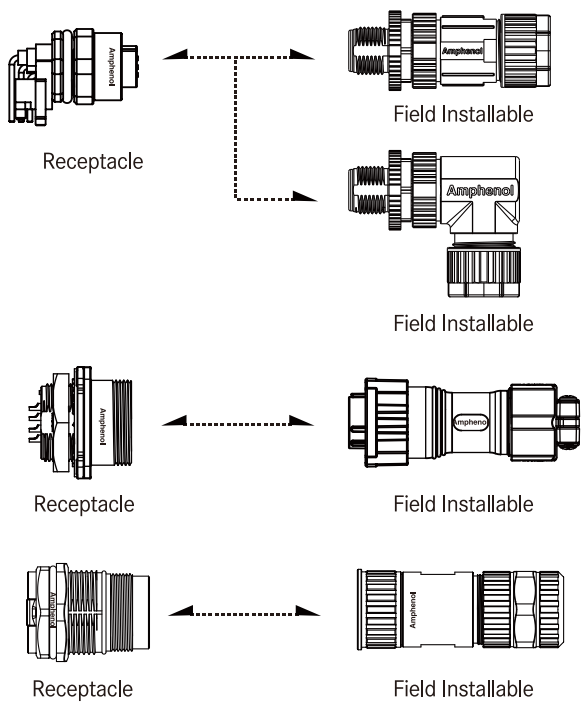
HDSC / M23

Range Overview

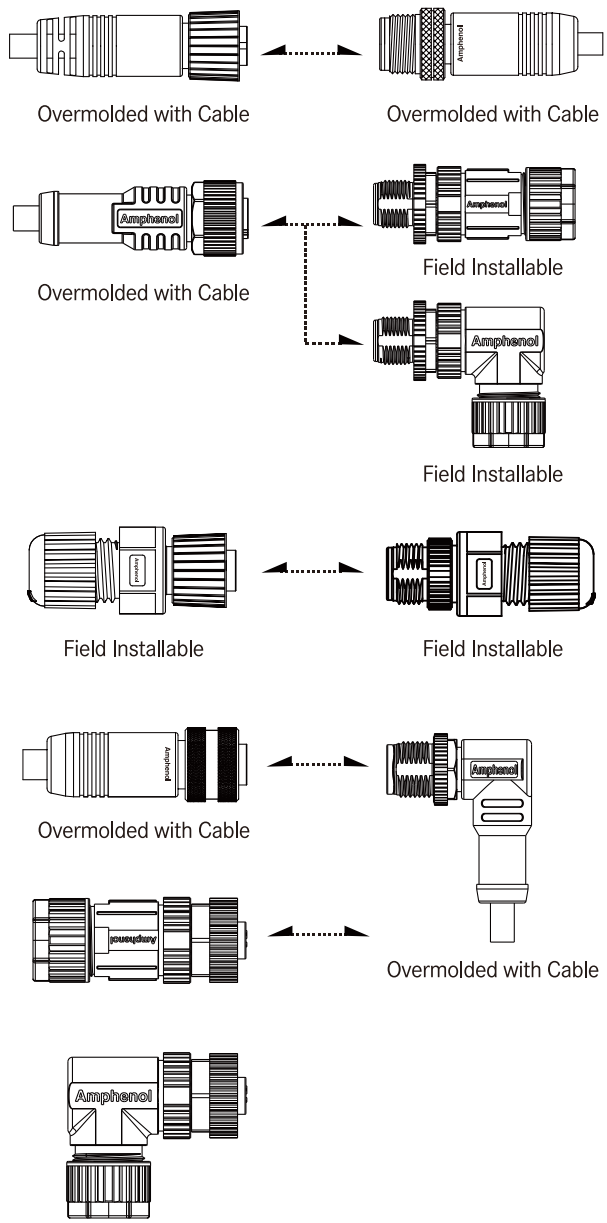
Receptacle to Overmolded with Cable



Receptacle to Field Installable



In Line

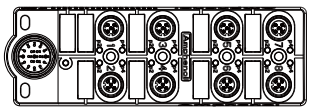


IP 65 . 67 . 68

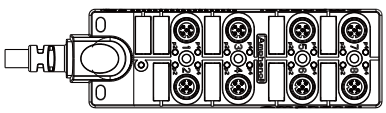
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

Range Overview

↘ Passive Distribution Box

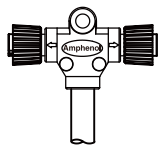


With Homerun Connector

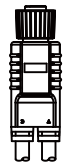


With Cable

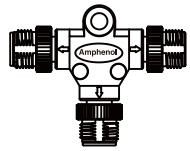
↘ Accessories



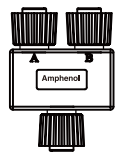
T Cable



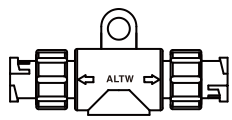
Y Cable



T Adaptor

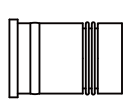


Y Adaptor

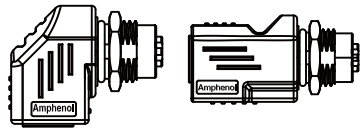


I Adaptor

Waterproof Cap



Insert



M12 to RJ45 Adaptor

Specification | M Sensor Connector

Identifications	M8, M10.5, M12 (A, B, D, S, T, X code), Heavy Duty Shielded Connector, M23
Description	Receptacle Overmolded with Cable Field Installable
Current Rating / Data	1.5A~28A
Operating Voltage	2~4 Pins : 250V 5 Pins : 60V 6 ~12 Pins : 30V
Contact Resistance	≤10mΩ
Voltage Proof	3 ~ 4 Pins : 1.4 KVrms 5 Pins : 1.0 KVrms 6 ~8 Pins : 0.65 KVrms
Waterproof Rating	IP65 / 67 / 68
Temperature Range	Receptacle: -40°C~105°C Overmolded with Cable: PVC Cable: -20°C~80°C PU Cable: -20°C~85°C Field Installable: -40°C~105°C * Higer working temperature upon request.
Mating Cycle	100*Minimum
Vibration	10 ~ 500 Hz and 0.35 mm
Material	Contacts: Copper Alloy, Gold Plated Connector Body (Housing) : Nylon+GF or PU, UL Recognized Shield: Zinc Alloy or Copper Ally, Nickel Plated
Standard Cable Length	01~99M
Standards	IEC 61076-2-101 IEC 61076-2-104

【Note】Design and specification are subject to change without notice.

IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

Specification | Passive Distribution Box

Identifications	M8 Passive Distribution Box M12 Passive Distribution Box
Description	With Cable With Homerun Connector
Current Load Per Port	M8 Distribution Box: 2A (Max.) M12 Distribution Box: 2A (Max.)
Current Sum max.	M8 Distribution Box: 6A (Max.) M12 Distribution Box: 12A (Max.)
Operating Voltage	24V DC Nominal (10~30V)
Contact Resistance	<10mΩ
Switching Output	PNP
Power Indicator	LED, Green
Function Indicator	LED, Yellow
Waterproof Rating	M8 Distribution Box: IP 67 Unmated M12 Distribution Box: IP 67 Unmated
Temperature Range	With Cable: -20°C ~ 80°C With Homerun Connector: -25°C ~ 90°C
Vibration	10 to 500 Hz and 0.35mm
Material	Conn. Housing: PA66 Box: PBT+PC Contacts: Copper Alloy, Gold Plated O-ring: Silicone Shell: Zinc Die Cast, Nickel Plated
Standard Cable Length	5M,10M,15M, 20M & 30M
Standards	IEC 61076-2-101

Ordering Information | M8 / Guided M8 / M10.5 / M23 / HDSC

1 - 2 | 3 | 4 | 5 | 6 - 7 | 8 | 9 | 10

Specification / Size

> M8 Size
(8) M8
(8P) M8, Plastic
(M8S) M8, Shielded

> M8 Size with Key, Guided M8
(8A) M8 with Key
(8AP) M8 with Key, Plastic
(8H) M8 with Key, Power (3A) +Data (1.5A)
(8HP) M8 with Key, Plastic, Power (3A) +Data (1.5A)
(M8AS) M8 with Key, Shielded

> M10.5 Size
(105) M10.5

> M23 Size
(LJ23) Shielded, Salt Spray Test 48H, 28A

> Heavy Duty Shielded Connector (HDSC)
(HB20) Shielded, Salt Spray Test 500H, 10A
(LB20) Shielded, Salt Spray Test 48H, 10A
(HC20) Shielded, Salt Spray Test 500H, 20A
(LC20) Shielded, Salt Spray Test 48H, 20A
(HD20) Shielded, Salt Spray Test 500H, 5A
(LD20) Shielded, Salt Spray Test 48H, 5A

Number of Contacts
02, 03....,14...Contacts
EX. **(02)** = 2 Contacts

Connector Body (Style)

> For Receptacle	> For Overmolded with Cable	> For Field installable
(P) Panel	**(A)** With Strain Relief	**(B)** Without Strain Relief
	(B) Without Strain Relief	

Connector (Housing) Gender

(M) Male Connector	**(F)** Female Connector

Contact Gender

(M) Male	**(F)** Female

Assemble Style

> For Receptacle	> For Overmolded with Cable	> For Field Installable
(S) Solder Type	**(M)** Overmolded with Cable	**(A)** Solder Type
(P) 180° PCB Type		**(B)** Screw Type
(R) 90° PCB Type		**(C)** Crimp Type
(C) Crimp Type		**(D)** IDC Type

Mating Style

(S) Screw Thread	**(Q)** Quick

Backshell

> For Receptacle	> For Overmolded with Cable	> For Field installable
(C) Circular, Rear Fastened	**(L)** Straight	**(L)** Straight
(F) Hexagonal, Front Fastened	**(R)** Right Angle	**(R)** Right Angle
(H) Hexagonal, Rear Fastened		
(N) Square, Rear Fastened with Nut		
(W) Square, Front Fastened with Screw		

Waterproof Rating
(5) IP65 (Quick Type)
(7) IP 67
(8) IP 68

More Information

> For Receptacle
(001), (002), (003).....
e.g. **(001)** With Logo
(002) With Logo

> For Receptacle with Wire Harness
(□)+(■) : Cable Type + Wire Length
e.g. **(A15)** = UL 1007 Cable + 150mm

(□) : Cable Type
(A) UL 1007 Cable (For M8)

(■) : Wire Length
(15) 150mm
(30) 300mm
(50) 500mm
(A0) 1000mm
(A5) 1500mm

> For Overmolded with Cable
(□)+(■) : Cable Type + Cable Length
e.g. **(A01)** = UL2464 Cable + 1M

(□) : Cable Type
(A) PVC UL2464 Cable
(B) PU VW-1 Cable

(■) : Cable Length
From 1M to 99M
EX. **(01)** = 1M

> For Field Installable
(001), (002), (003).....
For Different Versions

【Note】Design and specification are subject to change without notice.

IP 65 . 67 . 68
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

Ordering Information | M12

1 - 2 | 3 | 4 | 5 | 6 - 7 | 8 | 9 | 10

Specification / Size

> A-Coded
(M12A) M12 A-Coded
(MSAP) M12 A-Coded, Plastic
(MSAS) M12 A-Coded, Shielded
> B-Coded
(M12B) M12 B-Coded
(MSBP) M12 B-Coded, Plastic
(MSBS) M12 B-Coded, Shielded
> D-Coded
(M12D) M12 D-Coded
(MSDP) M12 D-Coded, Plastic
(MSDS) M12 D-Coded, Shielded
> S-Coded
(M12S) M12 S-Coded
(MSSP) M12 S-Coded, Plastic
> T-Coded
(M12T) M12 T-Coded
(MSTP) M12 T-Coded, Plastic
> X-Coded
(MSXS) M12 X-Coded, Shielded
> I-Style
(M12I) M12 I-Style
(MSIP) M12 I-Style, Plast

Number of Contacts
02, 03....,14...Contacts
e.g. **(02)** = 2 Contacts

Connector Body (Style)
> For Receptacle
(P) Panel
> For Overmolded with Cable
(A) With Strain Relief
(B) Without Strain Relief
> For Field installable
(A) With Strain Relief
(B) Without Strain Relief

Connector (Housing) Gender
(M) Male Connector
(F) Female Connector

Contact Gender
(M) Male
(F) Female
(I) I style (Male+Female)

Assemble Style
> For Receptacle
(S) Solder Type
(P) 180° PCB Type
(R) 90° PCB Type
(C) Crimp Type
> For Field Installable
(A) Solder Type (10&12 pins are available as standard product. Other pins are available upon request)
(B) Screw Type
(C) Crimp Type
(D) IDC Type
> For Overmolded with Cable
(M) Overmolded with Cable

Mating Style
(S) Screw Thread
(Q) Quick

Backshell
> For Receptacle
(C) Circular, Rear Fastened
(F) Hexagonal, Front Fastened
(H) Hexagonal, Rear Fastened
(N) Square, Rear Fastened with Nut
(W) Square, Front Fastened with Screw
> For Overmolded with Cable
(L) Straight
(R) Right Angle
> For Field Installable
(L) Straight
(R) Right Angle

Waterproof Rating
(5) IP65 (Quick Type)
(7) IP 67
(8) IP 68

Cable information
> For Receptacle
(001) PG9
(002) M16
(003) M12

> For Receptacle with Wire Harness
(□)+(■) : Wire Type + Wire Length
e.g. **(B15)** = UL1061 + 150mm

(□) : Wire Type
(B) UL1061 (For M12-PG9)
(C) UL1061 (For M12-M16

(■) : Cable Length
(15) 150mm
(30) 300mm
(50) 500mm
(A0) 1000
(A5) 1500

> For Overmolded with Cable
(□)+(■) : Cable Type + Cable Length
e.g. **(A01)** = PVC UL2517 Yellow Cable + 1M

(□) : Cable Type
(A) PVC UL2517 Yellow Cable
(B) PU UL20549 Cable
(C) CAN Cable
(D) PVC UL2517 Black Cable
(E) CAT5e Cable(2Pair/4Pair)
(F) F-PVC UL2095 Black Cable
(G) PVC UL 21996, Balck, round cable
(H) PVC UL 21996, Balck, oval cable
(S) AC 630V Cable
(T) DC 60V Cable
(X) CAT6$_A$ Cable

(■) : Cable Length
From 1M to 99M
EX. **(01)** = 1M

> For Field Installable
(001), (002), (003).....
For Different Versions

Ordering Information | M8 SMT

1 - 2 3 4 5 6 - 7 8 9 10

Specification / Size
(M8S) M8, Shielded

Number of Contacts
03, 04 Contacts
EX. **(03)** = 3 Contacts

Connector Body (Style)
> For Receptacle
(P) Panel

Connector (Housing) Gender
(M) Male Connector **(F)** Female Connector

Contact Gender
(M) Male **(F)** Female

Assemble Style
> For Receptacle
(T) SMT Type

Mating Style
(E) None

Backshell
> For Receptacle
(E) None

Waterproof Rating
(8) IP 68(Matel), IP65(Unmated)

More Information
> For Receptacle
(001), (002), (003).....

Ordering Information | M12 SMT

1 - 2 | 3 | 4 | 5 | 6 - 7 | 8 | 9 | 10

Specification / Size
> A-Coded
(MSAS) M12 A-Coded, Shielded
> B-Coded
(MSBS) M12 B-Coded, Shielded
> D-Coded
(MSDS) M12 D-Coded, Shielded

Number of Contacts
04, 05, 08 Contacts
EX. **(04)** = 4 Contacts

Connector Body (Style)
> For Receptacle
(P) Panel

Connector (Housing) Gender
(M) Male Connector **(F)** Female Connector

Contact Gender
(M) Male **(F)** Female

Assemble Style
> For Receptacle
(T) SMT Type

Mating Style
(E) None

Backshell
> For Receptacle
(E) None

Waterproof Rating
(8) IP 68 (Mated), IP65 (Unmated)

Cable Information
> For Receptacle
(001), (002), (003)...

Ordering Information | Combo

1 – 2 | 3 | 4 | 5 – 6 | 7 | 8 | 9 | 10

Specification (1st End)
(RJ) RJ Unshield
(RJS) RJ Shielded
(RJ8) RJ Unshield (13/16" - 16 UN)
(RS8) RJ Shielded (13/16" - 16 UN)

Specification (2nd End)
(12A) M12 A-Coded
(12B) M12 B-Coded
(12D) M12 D-Coded
(12X) M12 X-Coded

Number of Contacts (2st End)
02, 03...,14...Contacts
EX. **(02)** = 2 Contacts

Contact Gender (2st End)
(M) Male **(F)** Female

Connector (Housing) Gender (2st End)
(M) Male Connector **(F)** Female Connector

Style
(L) Straight 180° Type
(R) Right Angle 90° Type

Mating Style
(S) Screw Thread

Waterproof Rating
(6) IP 66
(7) IP 67
(8) IP 68

Information
(001), (002), (003).....
For Different Versions

Ordering Information | Passive Distribution Box

IP 65 . 67 . 68
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

1 - 2 3 4 5 - 6 7 8 9 10

Specification / Size
> With M8 Connectors
(DB8) M8 Connector

> With M12 Connectors
(DB12) M12 Sensor Connector

Number of Contacts
02, 03....,14...Contacts
e.g. **(02)** = 2 Contacts

Code
(A) A Code
(B) B Code
(C) C Code

Ports
(4) 4 Ports
(6) 6 Ports
(8) 8 Ports
(10) 10 Ports (For M8 Connectors Only)

Homerun Connector
(M8) M8 Connector
(M12) M12 Connector
(M16) M16 Connector
(M23) M23 Connector
(TBK) Terminal Block
(CAB) Cable

Signal Output
(0) None
(S) Single
(D) Dual

Switching Output
(0) None
(S) PNP
(D) NPN

Mating Style
(L) Lock
(S) Screw
(Q) Quick

Waterproof Rating
(5)IP 65 (Quick Type)
(6)IP 66
(7)IP 67
(8)IP 68

For More Information
> Without Cable
(001), (002), (003).....
For Different Versions

> With Cable
(□)+(■) : Cable Type + Cable Length
e.g. **(A01)** = PVC UL2517 Cable + 1M

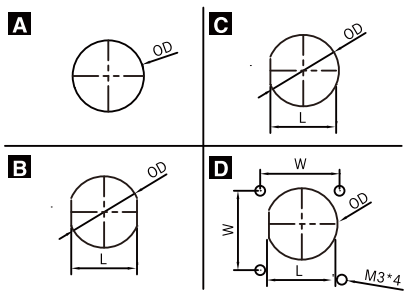
(□) : Cable Type
(A) PVC UL2517 Cable
(B) PU 20549 Cable
(C) Hi-Flex Cable
(D) DeviceNet / NMEA
(E) Ethernet
(F) ProfiBus
(P) ProfiNet

(■) : Cable Length
From 1M to 99M
e.g. **(01)** = 1M

Physical Dimension

↘ Receptacle

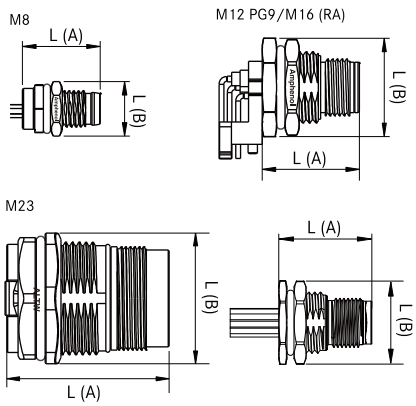
Panel Cut-Out



Size \ Dimension		Type	L / W	OD	Type	L / W	OD
Size	Thread Description	Female			Male		
M105	M10.5 X 0.75	-	-	-	A	-	10.9
M8	M8 X 1.0	B	7.1	8.1	B	7.1	8.1
		-	-	-	A	-	8.1
M12	M12 X 1.0 - PG9	B	13.6	15.4	B	13.6	15.4
	M12 X 1.0 - M16.0 X 1.5	B	13.6	16.1	B	13.6	16.1
	M12.0 X 1.0	B	10.5	12.2	B	10.5	12.2
HDSC*	M22 X 1.0	-	-	-	C	19.2	20.2
		-	-	-	D	19.2 / 23.0	20.2
M23	M23 X 1.0	-	-	-	C	24.4	25.1

*HDSC: Heavy Duty Shielded Connector

Connector Dimension

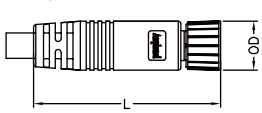


Series		Receptacle				Panel Thickness	
Conn. Gender	Type	Female		Male			
		L (A)	L (B)	L (A)	L (B)	Front Fastened	Rear Fastened
M8	Straight	18.0	13.8	16.4	11.5	3.0 mm Max.	3.5 mm Max.
M105	Straight	-	-	18.0	15.0	-	6.0 mm Max.
M12 PG9/ M16	Straight	20.0	20.6	23.0	20.6	4.5mm Max. 4.0mm Max.(Plastic)	4.5mm Max.
	Right Angle	20.0	20.8	20.5	20.8		
M12*1.0	Right Angle	16.9	15.0	16.2	15.0	3.0mm Max.	
HDSC*	Straight	-	-	23.5	29.0	9.0mm Min.	5.0 mm Max.
M23	Straight	-	-	36.0	29.0	6.0 mm Max.	-

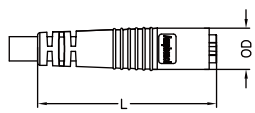
*HDSC: Heavy Duty Shielded Connector

↘ Overmolded with Cable

M8

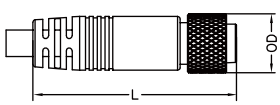


* Screw thread type



* Snap-In type

M10.5



Size \ Dimension		L		OD	
Size	Type	Female	Male	Female	Male
M8	Screw Thread M8 X 1.0	38.1	42.7	10.1	10.5
M8	Snap-In M8 X 1.0	36.5	-	8.4	-
M105	Screw Thread M10.5 X 0.75	37.2	-	12.0	-

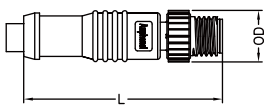
【Note】Design and specification are subject to change without notice.

IP 65 . 67 . 68

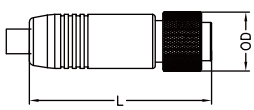
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

3-1 Amphenol LTW Technology Co., Ltd.

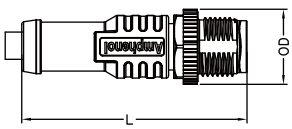
M8

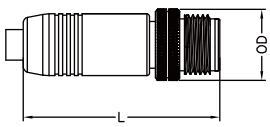


M10.5



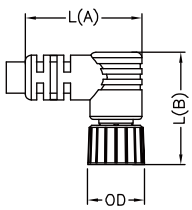
M12



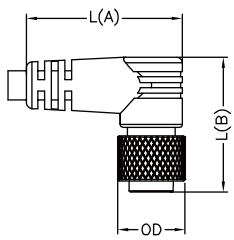


Size \ Dimension		L		OD	
Size	Type	Female	Male	Female	Male
M8	Screw Thread M8 X 1.0	36.0	40.5	10.1	10.5
M10.5	Screw Thread M10.5 X 0.75	37.2	-	12.0	-
M12	Screw Thread M12.0 X 1.0	37.2	-	12.0	-
M12 Shielded	Screw Thread M12.0 X 1.0	39.2	40.1	14.5	14.5

M8

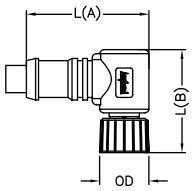


M10.5

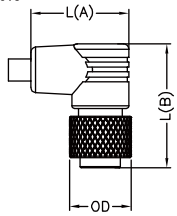


Size \ Dimension		L [A]		L [B]		OD	
Size	Thread Description	Female	Male	Female	Male	Female	Male
M8	M8 X 1.0	24.0	-	24.0	-	12.0	-
M10.5	Screw Thread M10.5 X 0.75	20.7	20.7	20.0	25.5	10.1	10.5

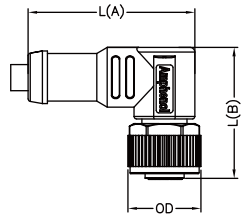
M8



M10.5



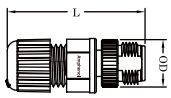
M12



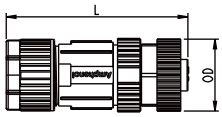
Size \ Dimension		L [A]		L [B]		OD	
Size	Thread Description	Female	Male	Female	Male	Female	Male
M8	M8 X 1.0	24.0	-	24.0	-	12.0	-
M10.5	Screw Thread M10.5 X 0.75	20.7	20.7	20.0	25.5	10.1	10.5

↘ Field Installable

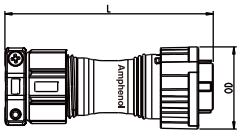
M8



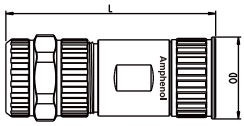
M12



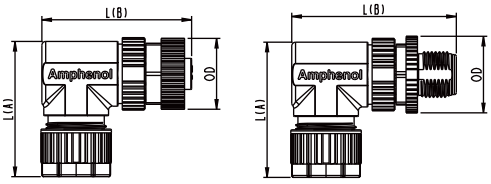
HDSC



M23



M12



Size \ Dimension		Pin Type	L		OD	
Size	Thread Description		Female	Male	Female	Male
M8	M8 X 1.0	Screw In	55.4	59.1	16.7	16.7
M12 Metal Nut	M12 X 1.0	Solder	40.5	41.8	14.5	14.4
		Screw	47.0	51.0	18.6	20.1
		IDC	47.0	51.0	18.6	20.1
M12 Plastic	M12 X 1.0	Solder	61.3	61.3	20.8	20.8
		Screw	47.0	51.0	18.6	20.1
		IDC	47.0	51.0	18.6	20.1
M12 Shielded	M12 X 1.0	Solder	52.0	55.0	18.6	20.1
		Screw	52.0	55.0	18.6	20.1
		IDC	52.0	55.0	18.6	20.1
HDSC*	M22 X 1.0	-	72.5	-	27.7	-
M23	M23 X 1.0	-	73.0	-	28.5	-

*HDSC: Heavy Duty Shielded Connector

Size \ Dimension		Pin Type	L [A]		L [B]		OD	
Size	Thread Description		Female	Male	Female	Male	Female	Male
M12	M12.0 X 1.0	Screw In	38.9	38.9	52.3	52.3	20.8	20.8
M12 Plastic			38.9	38.9	52.3	52.3	20.8	20.8

Dimensions are shown in millimeters

-

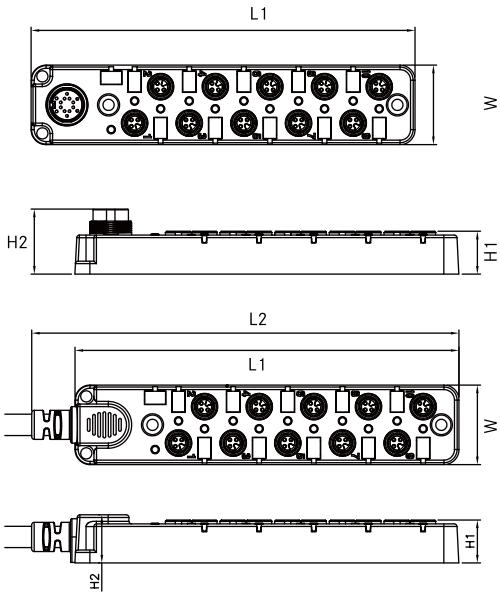
【Note】Design and specification are subject to change without notice.

IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

↘ Passive Distribution Box

M8

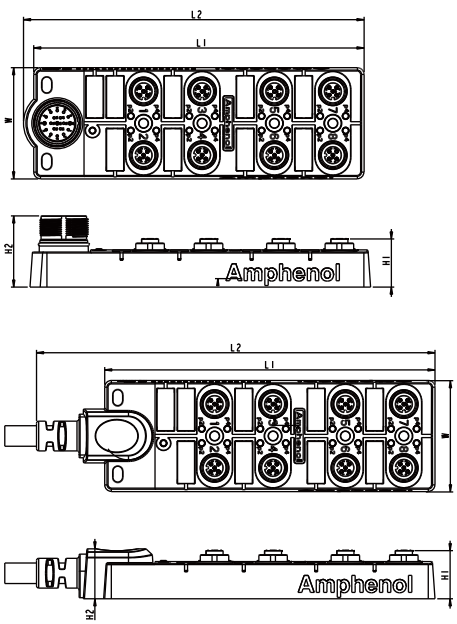


Size / Dimension		Pin Type	L		OD	
Size	Thread Description		Female	Male	Female	Male
M8	M8 X 1.0	Screw In	55.4	59.1	16.7	16.7
M12 Metal Nut	M12 X 1.0	Solder	40.5	41.8	14.5	14.4
		Screw	47.0	51.0	18.6	20.1
		IDC	47.0	51.0	18.6	20.1
M12 Plastic	M12 X 1.0	Solder	61.3	61.3	20.8	20.8
		Screw	47.0	51.0	18.6	20.1
		IDC	47.0	51.0	18.6	20.1
M12 Shielded	M12 X 1.0	Solder	52.0	55.0	18.6	20.1
		Screw	52.0	55.0	18.6	20.1
		IDC	52.0	55.0	18.6	20.1
HDSC*	M22 X 1.0	-	72.5	-	27.7	-
M23	M23 X 1.0	-	73.0	-	28.5	-

Unit: mm

↘ Passive Distribution Box

M12



		M12				
		L1	L2	H1	H2	W
4 Port	With Cable	97.3	129.4	22.9	23.5	52.3
	Without Cable	97.3	102.1	22.9	33.5	52.3
8 Port	With Cable	155.3	187.4	22.9	23.5	52.3
	Without Cable	155.3	160.1	22.9	33.5	52.3
Note		Cable length is available from 01~99m.				

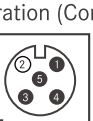
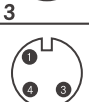
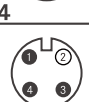
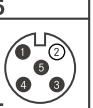
Unit: mm

Contact Configuration

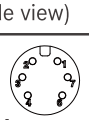
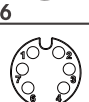
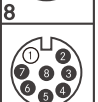
1.5A 2A 3A 4A 5A 10A 12A 20A 28A	G8		M8	M10.5	M12 A Code			M12 B Code	M12 D Code	M12 I Code	M12 S Code
	1.5A	3A	3A	2A	1.5A	2A	4A	4A	4A	4A	12A
	MM or FF	MM or FF	MM or FF	MF or FM	MM or FF	MM or FF	MM or FF	MM or FF	MM or FF	MF or FM	MM or FF
2Pin (02)		R C F		R C							
3Pin (03)		R C F	R C F	R C			R C F	R C F	R C F		
4Pin (04)		R C F	R C F	R C			R C F	R C F	R C F		R F
5Pin (05)	R C F			R C			R C F	R C F	R C F	R C F	
6Pin (06)	R C F					R C F					
7Pin (07)											
8Pin (08)						R C F					
10Pin (10)					R C F						
12Pin (12)					R C F						
14Pin (14)											

More to know:

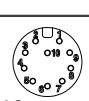
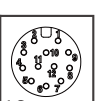
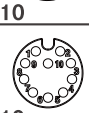
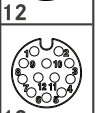
No. of Poles & Contact Configuration (Connection side view)

	3	4	5
Male			
Female			

Color Identification:
1 = Brown, 2 = White, 3 = Blue, 4 = Black, 5 = Gray

	6	8
Male		
Female		

Color Identification:
1 = White, 2 = Brown, 3 = Green, 4 = Yellow,
5 = Gray, 6 = Pink, 7 = Blue, 8 = Red

	10	12
Male		
Female		

Color Identification:
1 = White, 2 = Brown, 3 = Green, 4 = Yellow,
5 = Gray, 6 = Pink, 7 = Blue, 8 = Red, 9 = Black,
10 = Violet, 11 = Gray/Pink, 12 = Red/Blue

IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

M12 T Code	M12 X Code	HDSC			M23	
12A	0.5A	5A	10A	20A	28A	
MM or FF	MM or FF	MF or FM	MF or FM	MF or FM	MM or FF	MF or FM
				R F		
				R F		
R F			R F			
			R F			
					R F	R F
			R F			
	R C					
		R F				
		R F				
		R F				

More to know:

A-Code B-Code D-Code I-Style S-Code T-Code X-Code

R: Receptacle
C: Overmolded with Cable
F: Field Installable

- 0.5A **(M12X)**
- 1.5A **(M8/M12A)**
- 2A **(M10.5/M12A)**
- 3A **(M8)**
- 4A **(M8/M12A/M12B/M12D M12 I Style)**
- 5A **(HDSC)**
- 10A **(HDSC)**
- 12A **(M12S/M12T)**
- 20A **(HDSC)**
- 28A **(M23)**

Contact Number:
e.g.2 contacts **(02)**

Connector (Housing) Gender:
Male**(M)** or Female**(F)**

Contact Gender:
Male**(M)** or Female**(F)**
Male + Female **(I)**

More to Choose:

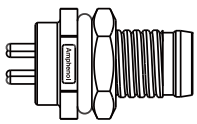
- Solder **(S)**
  - Solder Cup

- PCB Type
  - 90° PCB **(R)**
  - 180° PCB **(P)**

- Screw Type
- IDC Type

Product Features

↘ Receptacle



Mating Style 7

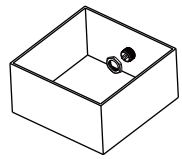
Screw Thread **(S)**

Backshell 8

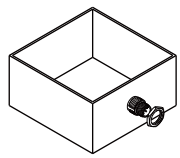
Circular **(C)**

Hexagonal **(H)(F)**

Square **(N)(W)**

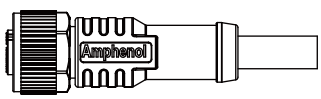


Rear Fastened

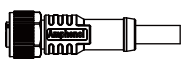


Front Fastened **(P)**

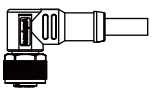
↘ Overmolded with Cable



Backshell 8



Straight **(L)**



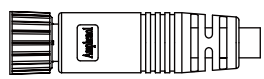
Right Angle **(R)**

Mating Style 7

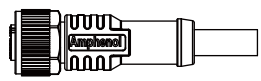
Screw Thread **(S)** (For M12)

Quick **(Q)** (For M8)

Connector Body(Style) 3

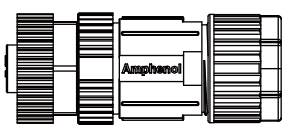


With Strain Relief **(A)**

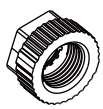


Without Strain Relief **(B)**

↘ Field Installable



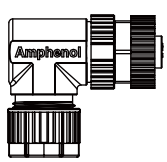
Mating Style 7



Screw Thread **(S)**

Backshell 8

Straight **(L)**



Right Angle **(R)**

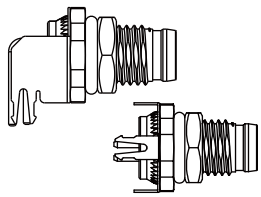
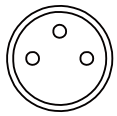
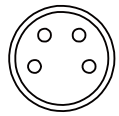
Connector Body(Style) 3

Without Strain Relief **(B)**

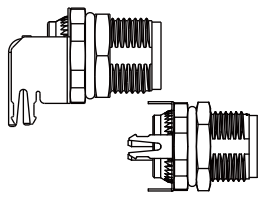
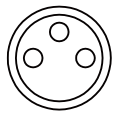
IP 65 . 67 . 68
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

Find Our Standard Products

↘ M8 (Shielded) > Receptacle > Male Connector

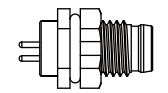
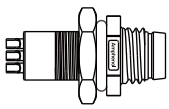
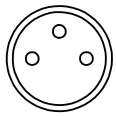
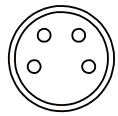
 Front Fastened Backshell: Hexagonal		
Type	4A/60V	4A/30V
PCB Pin (180°)	M8S-03PMMP-SF8001	M8S-04PMMP-SF8001
PCB Pin (90°)	M8S-03PMMR-SF8001	M8S-04PMMR-SF8001

↘ M8 (Shielded) > Receptacle > Female Connector

 Front Fastened Backshell: Hexagonal		
Type	4A/60V	4A/30V
PCB Pin (180°)	M8S-03PFFP-SF8001	M8S-04PFFP-SF8001
PCB Pin (90°)	M8S-03PFFR-SF8001	M8S-04PFFR-SF8001

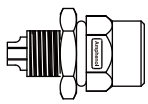
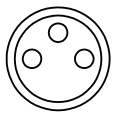
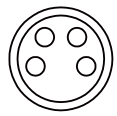
【Note】Design and specification are subject to change without notice.

↘ M8 (Metal Nut) > Receptacle > Male Connector

 Front Fastened  Rear Fastened Backshell: Hexagonal		
Type	3A/60V	3A/30V
PCB Pin (180°)	8-03PMMP-S(8)7001	8-04PMMP-S(8)7001
	8-03PMMP-SF7002	8-04PMMP-SF7002
Solder Pin (180°)	8-03PMMS-S(8)7001	8-04PMMS-S(8)7001
	8-03PMMS-S(8)7002	8-04PMMS-S(8)7002

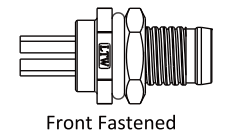
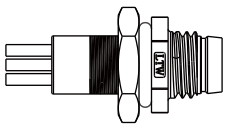
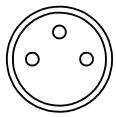
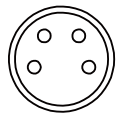
(8) Front Fastened **(F)** or Rear Fastened **(H)**

↘ M8 (Metal Nut) > Receptacle > Female Connector

 Rear Fastened Backshell: Hexagonal		
Type	3A/60V	3A/30V
Solder Pin (180°)	8-03PFFS-SH7001	8-04PFFS-SH7001
	8-03PFFS-SH7002	8-04PFFS-SH7002

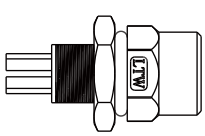
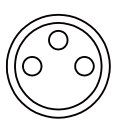
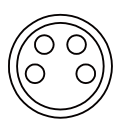
IP 65 . 67 . 68
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

↘ M8 (Metal Nut) > Receptacle with Wires > Male Connector

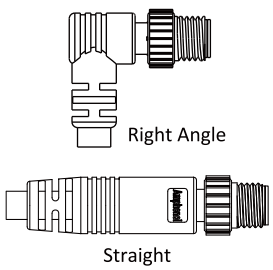
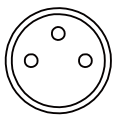
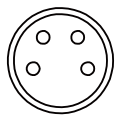
 Front Fastened  Rear Fastened Backshell: Hexagonal		
Wire Length (UL1007)*	3A/60V	3A/30V
150mm	8-03PMMS-S⑧7A15	8-04PMMS-S⑧7A15
300mm	8-03PMMS-S⑧7A30	8-04PMMS-S⑧7A30
500mm	8-03PMMS-S⑧7A50	8-04PMMS-S⑧7A50
1000mm	8-03PMMS-S⑧7AA0	8-04PMMS-S⑧7AA0
1500mm	8-03PMMS-S⑧7AA5	8-04PMMS-S⑧7AA5

⑧ Front Fastened **(F)** or Rear Fastened **(H)**

↘ M8 (Metal Nut) > Receptacle with Wires > Female Connector

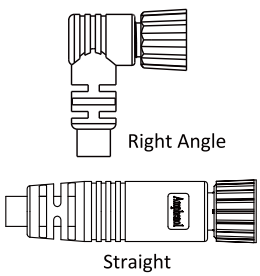
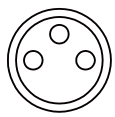
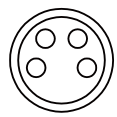
 Rear Fastened Backshell: Hexagonal		
Wire Length (UL1007)*	3A/60V	3A/30V
150mm	8-03PFFS-SH7A15	8-04PFFS-SH7A15
300mm	8-03PFFS-SH7A30	8-04PFFS-SH7A30
500mm	8-03PFFS-SH7A50	8-04PFFS-SH7A50
1000mm	8-03PFFS-SH7AA0	8-04PFFS-SH7AA0
1500mm	8-03PFFS-SH7AA5	8-04PFFS-SH7AA5

↘ M8 (Metal Nut) > Overmolded with Cable > Male Connector

		
Type	3A/60V	3A/30V
With Strain Relief	8-03AMMM-S⑧7XXX*	8-04AMMM-S⑧7XXX*
Without Strain Relief	8-03BMMM-S⑧7XXX*	8-04BMMM-S⑧7XXX*

⑧ Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

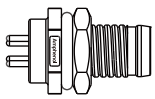
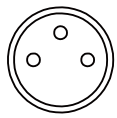
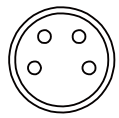
↘ M8 (Metal Nut) > Overmolded with Cable > Female Connector

		
Type	3A/60V	3A/30V
With Strain Relief	8-03AFFM-S⑧7XXX*	8-04AFFM-S⑧7XXX*
Without Strain Relief	8-03BFFM-S⑧7XXX*	8-04BFFM-S⑧7XXX*

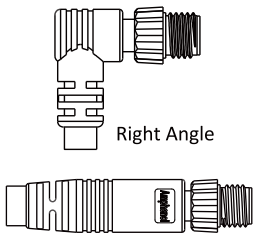
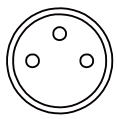
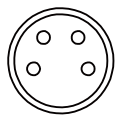
⑧ Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

IP 65 . 67 . 68
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

↘ M8 (Plastic) > Receptacle > Male Connector

 Front Fastened Backshell: Hexagonal		
Type	3A/60V	3A/30V
PCB Pin (180°)	8P-03PMMP-SF7001	8P-03PMMP-SF7001
Solder Pin (180°)	8P-03PMMS-SF7002	8P-03PMMS-SF7002

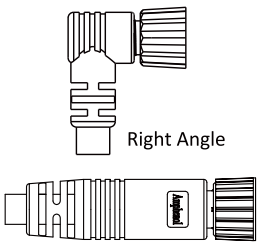
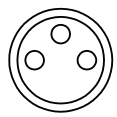
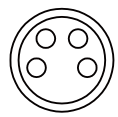
↘ M8 (Plastic) > Overmolded with Cable > Male Connector

 Right Angle Straight		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AMMM-S⑧7XXX*	8P-04AMMM-S⑧7XXX*
Without Strain Relief	8P-03BMMM-S⑧7XXX*	8P-04BMMM-S⑧7XXX*

⑧ Right Angle **(R)** or Straight **(L)**

* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

↘ M8 (Plastic) > Overmolded with Cable > Female Connector

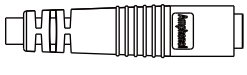
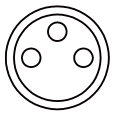
 Right Angle Straight		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AFFM-S⑧7XXX*	8P-04AFFM-S⑧7XXX*
Without Strain Relief	8P-03BFFM-S⑧7XXX*	8P-04BFFM-S⑧7XXX*

⑧ Right Angle **(R)** or Straight **(L)**

* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

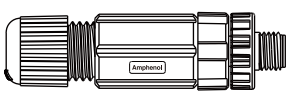
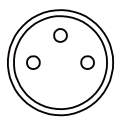
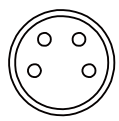
【Note】Design and specification are subject to change without notice.

↘ M8 (Plastic) > Overmolded with Cable > Female Connector

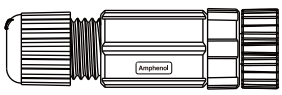
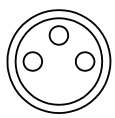
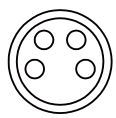
 Straight		
Type	3A/60V	3A/30V
With Strain Relief	8P-03AFFM-QL5XXX*	8P-03AFFM-QL5XXX*

* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

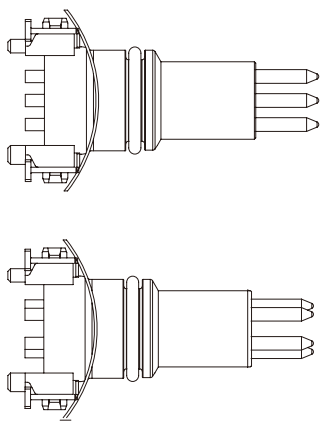
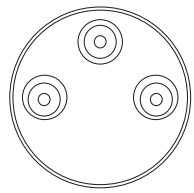
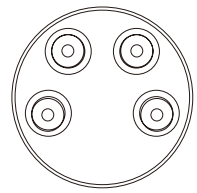
↘ M8 (Plastic) > Field Installable > Male Connector > Straight

			
Type	Contact Type	3A/60V	3A/30V
Without Strain Relief	Screw-in	8P-03BMMB-SL7001	8P-04BMMB-SL7001

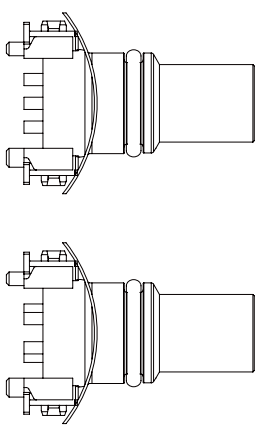
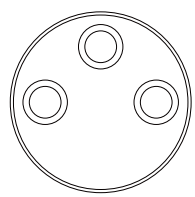
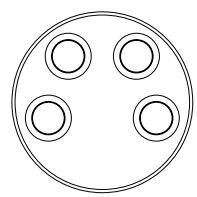
↘ M8 (Plastic) > Field Installable > Female Connector > Straight

			
Type	Contact Type	3A/60V	3A/30V
Without Strain Relief	Screw-in	8P-03BFFB-SL7001	8P-04BFFB-SL7001

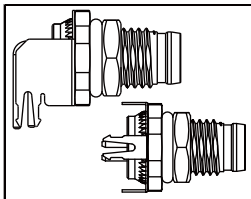
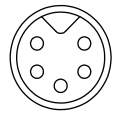
↘ M8 (SMT) > Receptacle > Male Connector

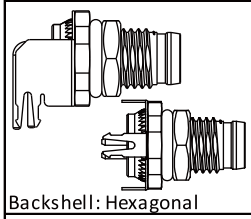
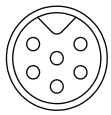
			
Type	Contact Type	3A/60V	3A/60V
Without Strain Relief	SMT Type	M8S-03PMMT-EE8001	M8S-04PMMT-EE8001

↘ M8 (SMT) > Receptacle > Female Connector

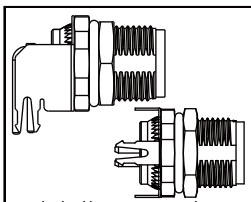
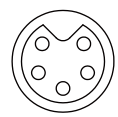
			
Type	Contact Type	3A/60V	3A/60V
Without Strain Relief	SMT Type	M8S-03PFFT-EE8001	M8S-04PFFT-EE8001

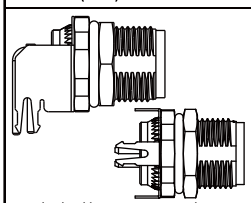
↘ Guided M8, G8 (Shielded)> Receptacle > Male Connector

 Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
PCB Pin (180°)	M8AS-02PMMP-SF8001	M8AS-03PMMP-SF8001	M8AS-04PMMP-SF8001	M8AS-05PMMP-SF8001
PCB Pin (90°)	M8AS-02PMMR-SF8001	M8AS-03PMMR-SF8001	M8AS-04PMMR-SF8001	M8AS-05PMMR-SF8001

 Backshell: Hexagonal	
Type	1.5A/30V
PCB Pin (180°)	M8AS-06PMMP-SF8001
PCB Pin (90°)	M8AS-06PMMR-SF8001

↘ Guided M8, G8 (Shielded) > Receptacle > Female Connector

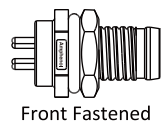
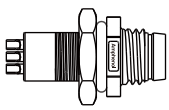
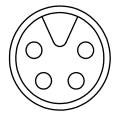
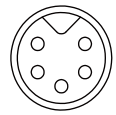
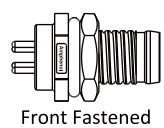
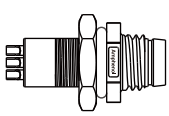
 Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
PCB Pin (180°)	M8AS-02PFFP-SF8001	M8AS-03PFFP-SF8001	M8AS-04PFFP-SF8001	M8AS-05PFFP-SF8001
PCB Pin (90°)	M8AS-02PFFR-SF8001	M8AS-03PFFR-SF8001	M8AS-04PFFR-SF8001	M8AS-05PFFR-SF8001

 Backshell: Hexagonal	
Type	1.5A/30V
PCB Pin (180°)	M8AS-06PFFP-SF8001
PCB Pin (90°)	M8AS-06PFFR-SF8001

【Note】Design and specification are subject to change without notice.

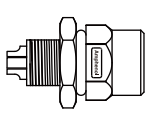
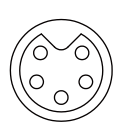
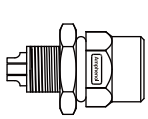
IP 65 . 67 . 68
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

↘ Guided M8, G8 (Metal Nut) > Receptacle > Male Connector

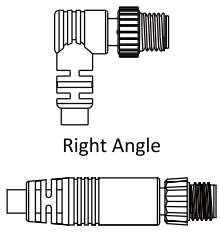
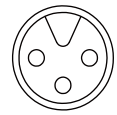
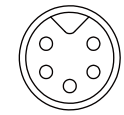
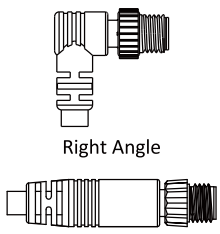
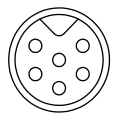
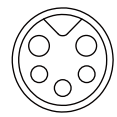
 Front Fastened  Rear Fastened Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
PCB Pin (180°)	8A-02PMMP-SF7001	8A-03PMMP-SF7001	8A-04PMMP-SF7001	8A-05PMMP-SF7001
Solder Pin	8A-02PMMS-S8 7001	8A-03PMMS-S8 7001	8A-04PMMS-S8 7001	8A-05PMMS-S8 7001
 Front Fastened  Rear Fastened Backshell: Hexagonal		Hybrid		
Type	1.5A/30V	3A+1.5A/30V		
PCB Pin (180°)	8A-06PMMP-SF7001	8H-05PMMP-SF7001		
Solder Pin	8A-06PMMS-S8 7001	8H-05PMMS-S8 7001		

8 Front Fastened **(F)** or Rear Fastened **(H)**

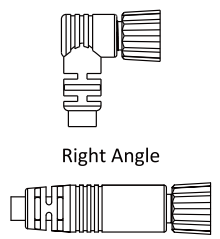
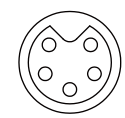
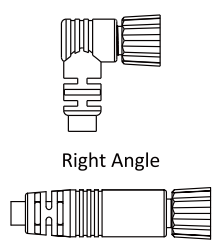
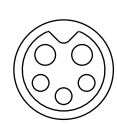
↘ Guided M8, G8 (Metal Nut) > Receptacle > Female Connector

 Rear Fastened Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
Solder Pin	8A-02PFFS-SH7001	8A-03PFFS-SH7001	8A-04PFFS-SH7001	8A-05PFFS-SH7001
 Rear Fastened Backshell: Hexagonal		Hybrid		
Type	1.5A/30V	3A+1.5A/30V		
Solder Pin	8A-06PFFS-SH7001	8H-05PFFS-SH7001		

↘ Guided M8, G8 (Metal Nut) > Overmolded with Cable > Male Connector

 Right Angle / Straight				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
With Strain Relief	8A-02AMMM-S87XXX*	8A-03AMMM-S87XXX*	8A-04AMMM-S87XXX*	8A-05AMMM-S87XXX*
 Right Angle / Straight		 Hybrid	8 Right Angle **(R)** or Straight **(L)** * XXX: Choose the cable type and length: - PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)** - PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**	
Type	1.5A/30V	3A+1.5A/30V		
With Strain Relief	8A-06AMMM-S87XXX*	8H-05AMMM-S87XXX*		

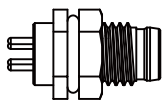
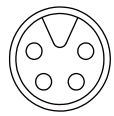
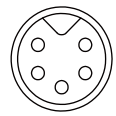
↘ Guided M8 (G8 / Metal Nut) > Overmolded with Cable > Female Connector

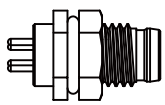
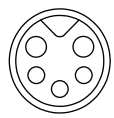
 Right Angle / Straight				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
With Strain Relief	8A-02AFFM-S87XXX*	8A-03AFFM-S87XXX*	8A-04AFFM-S87XXX*	8A-05AFFM-S87XXX*
 Right Angle / Straight		 Hybrid	8 Right Angle **(R)** or Straight **(L)** * XXX: Choose the cable type and length: - PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)** - PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**	
Type	1.5A/30V	3A+1.5A/30V		
With Strain Relief	8A-06AFFM-S87XXX*	8H-05AFFM-S87XXX*		

【Note】Design and specification are subject to change without notice.

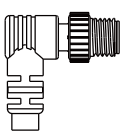
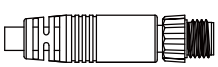
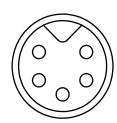
IP 65 . 67 . 68
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

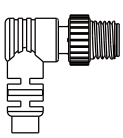
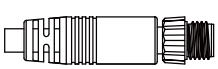
↘ Guided M8, G8 (Plastic) > Receptacle > Male Connector

 Front Fastened Backshell: Hexagonal				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
PCB Pin (180°)	8AP-02PMMP-SF7001	8AP-03PMMP-SF7001	8AP-04PMMP-SF7001	8AP-05PMMP-SF7001
Solder Pin	8AP-02PMMS-SF7001	8AP-03PMMS-SF7001	8AP-04PMMS-SF7001	8AP-05PMMS-SF7001

 Front Fastened Backshell: Hexagonal		 Hybrid
Type	1.5A/30V	3A+1.5A/30V
PCB Pin (180°)	8AP-06PMMP-SF7001	8HP-05PMMP-SF7001
Solder Pin	8AP-06PMMS-SF7001	8HP-05PMMS-SF7001

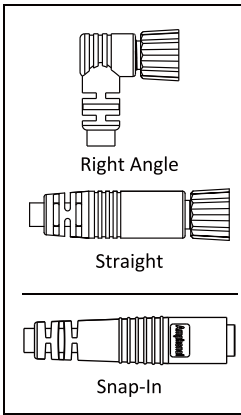
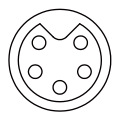
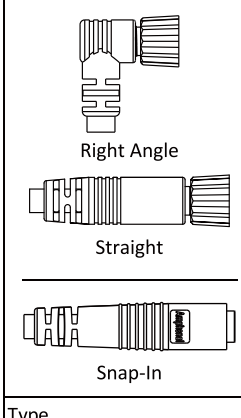
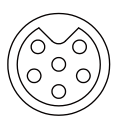
↘ Guided M8, G8 (Plastic) > Overmolded with Cable > Male Connector

 Right Angle  Straight				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
With Strain Relief	8AP-02AMMM-S8 7XXX*	8AP-03AMMM-S8 7XXX*	8AP-04AMMM-S8 7XXX*	8AP-05AMMM-S8 7XXX*

 Right Angle  Straight		Hybrid
Type	1.5A/30V	3A+1.5A/30V
With Strain Relief	8AP-06AMMM-S8 7XXX*	8HP-05AMMM-S8 7XXX*

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

↘ Guided M8, G8 (Plastic) > Overmolded with Cable > Female Connector

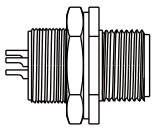
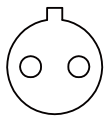
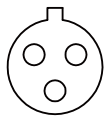
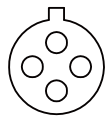
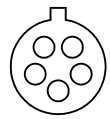
				
Type	3A/60V	3A/60V	3A/30V	1.5A/30V
With Strain Relief	8AP-02AFFM-S8 7XXX*	8AP-03AFFM-S8 7XXX*	8AP-04AFFM-S8 7XXX*	8AP-05AFFM-S8 7XXX*
	8AP-02AFFM-SL5XXX*	8AP-03AFFM-SL5XXX*	8AP-04AFFM-SL5XXX*	8AP-05AFFM-SL5XXX*
				
Type	1.5A/30V	3A+1.5A/30V		
With Strain Relief	8AP-06AFFM-S8 7XXX*	8HP-05AFFM-S8 7XXX*		
	8AP-06AFFM-SL5XXX*	8HP-05AFFM-SL5XXX*		

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

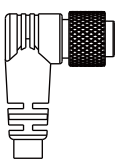
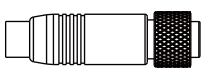
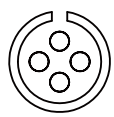
【Note】Design and specification are subject to change without notice.

IP 65 . 67 . 68
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

↘ M10.5 (Metal) > Receptacle > Male Connector

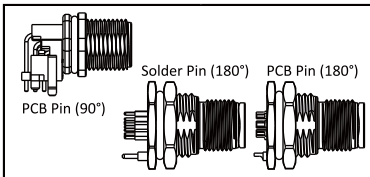
 Rear Fastened Backshell: Hexagonal Backshell: Circular				
Type	2A/30V	2A/30V	2A/30V	2A/30V
Backshell: Hexagonal Solder Pin (180°)	105-02PMFS-SH7001	105-03PMFS-SH7001	105-04PMFS-SH7001	105-05PMFS-SH7001
Backshell: Circular Solder Pin (180°)	105-02PMFS-SC7001	105-03PMFS-SC7001	105-04PMFS-SC7001	105-05PMFS-SC7001

↘ M10.5 (Metal) > Overmolded with Cable > Male Connector

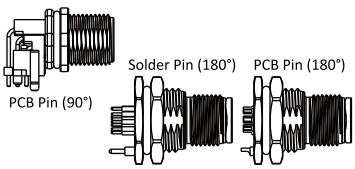
 Right Angle  Straight				
Type	2A/30V	2A/30V	2A/30V	2A/30V
With Strain Relief	105-02AFMM-S⑧7AXXX*	105-03AFMM-S⑧7AXXX*	105-04AFMM-S⑧7AXXX*	105-05AFMM-S⑧7AXXX*
Without Strain Relief	105-02BFMM-S⑧7AXXX*	105-03BFMM-S⑧7AXXX*	105-04BFMM-S⑧7AXXX*	105-05BFMM-S⑧7AXXX*

⑧ Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

↘ M12 A-Coded (Shielded) > Receptacle > Male Connector

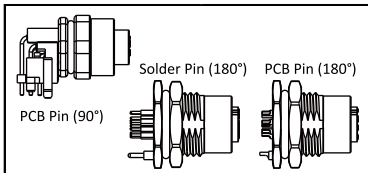


Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	PG9	MSAS-03PMMP-SF8001	MSAS-04PMMP-SF8001	MSAS-05PMMP-SF8001	MSAS-06PMMP-SF8001
	M16.0	MSAS-03PMMP-SF8002	MSAS-04PMMP-SF8002	MSAS-05PMMP-SF8002	MSAS-06PMMP-SF8002
PCB Pin (90°)	M12	MSAS-03PMMR-SF7003	MSAS-04PMMR-SF7003	MSAS-05PMMR-SF7003	-
Solder Pin (180°)	PG9	MSAS-03PMMS-SF8001	MSAS-04PMMS-SF8001	MSAS-05PMMS-SF8001	MSAS-06PMMS-SF8001
	M16.0	MSAS-03PMMS-SF8002	MSAS-04PMMS-SF8002	MSAS-05PMMS-SF8002	MSAS-06PMMS-SF8002

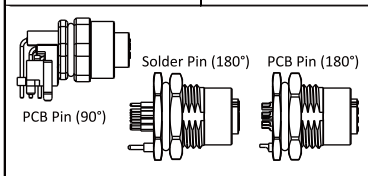


Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
PCB Pin (180°)	PG9	MSAS-08PMMP-SF8001	MSAS-10PMMP-SF8001	MSAS-12PMMP-SF8001
	M16.0	MSAS-08PMMP-SF8002	MSAS-10PMMP-SF8002	MSAS-12PMMP-SF8002
PCB Pin (90°)	M12	MSAS-08PMMR-SF7003	-	-
Solder Pin (180°)	PG9	MSAS-08PMMS-SF8001	MSAS-10PMMS-SF8001	MSAS-12PMMS-SF8001
	M16.0	MSAS-08PMMS-SF8002	MSAS-10PMMS-SF8002	MSAS-12PMMS-SF8002

↘ M12 A-Coded (Shielded) > Receptacle > Female Connector



Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	PG9	MSAS-03PFFP-SF8001	MSAS-04PFFP-SF8001	MSAS-05PFFP-SF8001	MSAS-06PFFP-SF8001
	M16.0	MSAS-03PFFP-SF8002	MSAS-04PFFP-SF8002	MSAS-05PFFP-SF8002	MSAS-06PFFP-SF8002
PCB Pin (90°)	M12	MSAS-03PFFR-SF7003	MSAS-04PFFR-SF7003	MSAS-05PFFR-SF7003	-
Solder Pin (180°)	PG9	MSAS-03PFFS-SF8001	MSAS-04PFFS-SF8001	MSAS-05PFFS-SF8001	MSAS-06PFFS-SF8001
	M16.0	MSAS-03PFFS-SF8002	MSAS-04PFFS-SF8002	MSAS-05PFFS-SF8002	MSAS-06PFFS-SF8002

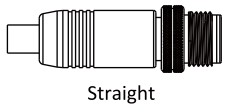
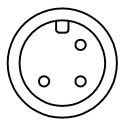
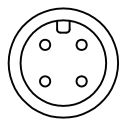
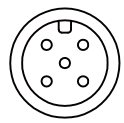
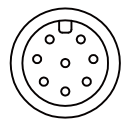


Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
PCB Pin (180°)	PG9	MSAS-08PFFP-SF8001	MSAS-10PFFP-SF8001	MSAS-12PFFP-SF8001
	M16.0	MSAS-08PFFP-SF8002	MSAS-10PFFP-SF8002	MSAS-12PFFP-SF8002
PCB Pin (90°)	M12	MSAS-08PFFR-SF7003	-	-
Solder Pin (180°)	PG9	MSAS-08PFFS-SF8001	MSAS-10PFFS-SF8001	MSAS-12PFFS-SF8001
	M16.0	MSAS-08PFFS-SF8002	MSAS-10PFFS-SF8002	MSAS-12PFFS-SF8002

【Note】Design and specification are subject to change without notice.

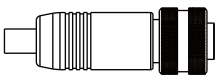
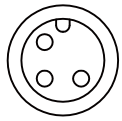
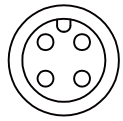
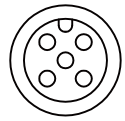
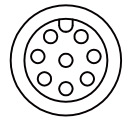
IP 65 . 67 . 68
Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

↘ M12 A-Coded (Shielded) > Overmolded with Cable > Male Connector

 Straight				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAS-03BMMM-SL7XXX*	MSAS-04BMMM-SL7XXX*	MSAS-05BMMM-SL7XXX*	MSAS-08BMMM-SL7XXX*

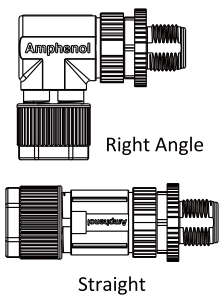
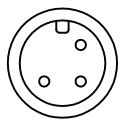
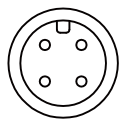
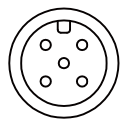
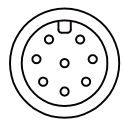
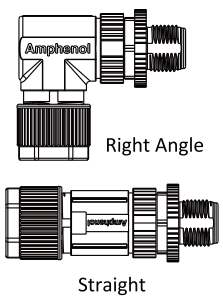
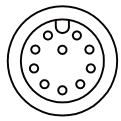
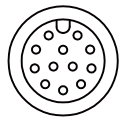
* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

↘ M12 A-Coded (Shielded) > Overmolded with Cable > Female Connector

 Straight				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	MSAS-03BFFM-SL7XXX*	MSAS-04BBFFM-SL7XXX*	MSAS-05BFFM-SL7XXX*	MSAS-08BFFM-SL7XXX*

* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

↘ M12 A-Coded (Shielded) > Field Installable > Male Connector

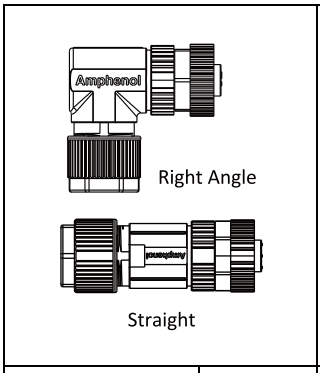
					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Screw Type	MSAS-03BMMB-S⑧7001	MSAS-04BMMB-S⑧7001	MSAS-05BMMB-S⑧7001	MSAS-08BMMB-S⑧7001
					
Type	Contact Type	1.5A / 30V	1.5A / 30V		
Without Strain Relief	Screw Type	MSAS-10BMMB-S⑧7001	MSAS-12BMMB-S⑧7001		

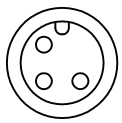
⑧ Right Angle **(R)** or Straight **(L)**

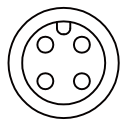
【Note】Design and specification are subject to change without notice.

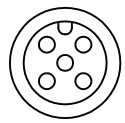
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

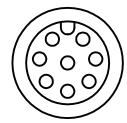
↘ M12 A-Coded (Shielded) > Field Installable > Female Connector





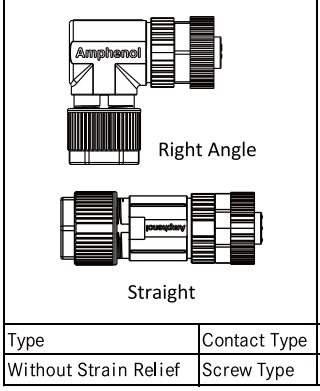


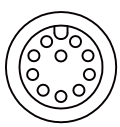


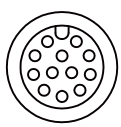


Type	Contact Type	4A/250V	4A/250V	4A/60V	2A/30V
Without Strain Relief	Screw Type	MSAS-03BFFB-S8 7001	MSAS-04BFFB-S8 7001	MSAS-05BFFB-S8 7001	MSAS-08BFFB-S8 7001

8 Right Angle **(R)** or Straight **(L)**

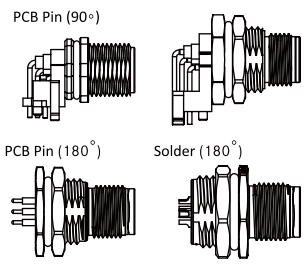




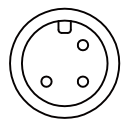
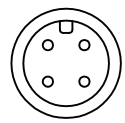
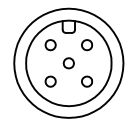
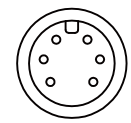


Type	Contact Type	1.5A/30V	1.5A/30V
Without Strain Relief	Screw Type	MSAS-10BFFB-S8 7001	MSAS-12BFFB-S8 7001

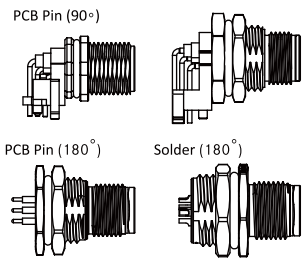
↘ M12 A-Coded (Metal Nut) > Receptacle > Male Connector



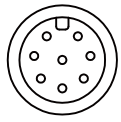
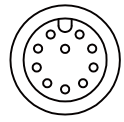
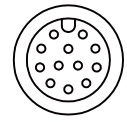
Backshell: Hexagonal

Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	PG9	M12A-03PMMP-SF8001	M12A-04PMMP-SF8001	M12A-05PMMP-SF8001	M12A-06PMMP-SF8001
	M16.0	M12A-03PMMP-SF8002	M12A-04PMMP-SF8002	M12A-05PMMP-SF8002	M12A-06PMMP-SF8002
PCB Pin (90°)	M12	M12A-03PMMR-SF7003	M12A-04PMMR-SF7003	M12A-05PMMR-SF7003	-
	PG9	M12A-03PMMR-SF8001	M12A-04PMMR-SF8001	M12A-05PMMR-SF8001	-
	M16.0	M12A-03PMMR-SF8002	M12A-04PMMR-SF8002	M12A-05PMMR-SF8002	-
Solder Pin (180°)	PG9	M12A-03PMMS-S(8)8001	M12A-04PMMS-S(8)8001	M12A-05PMMS-S(8)8001	M12A-06PMMS-S(8)8001
	M16.0	M12A-03PMMS-S(8)8002	M12A-04PMMS-S(8)8002	M12A-05PMMS-S(8)8002	M12A-06PMMS-S(8)8002



Backshell: Hexagonal

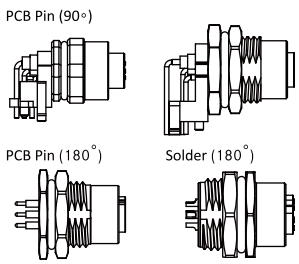




Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
PCB Pin (180°)	PG9	M12A-08PMMP-SF8001	M12A-10PMMP-SF8001	M12A-12PMMP-SF8001
	M16.0	M12A-08PMMP-SF8002	M12A-10PMMP-SF8002	M12A-12PMMP-SF8002
PCB Pin (90°)	M12	M12A-08PMMR-SF7003	-	-
	PG9	-	-	-
	M16.0	-	-	-
Solder Pin (180°)	PG9	M12A-08PMMS-S(8)8001	M12A-10PMMS-S(8)8001	M12A-12PMMS-S(8)8001
	M16.0	M12A-08PMMS-S(8)8002	M12A-10PMMS-S(8)8002	M12A-12PMMS-S(8)8002

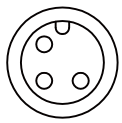
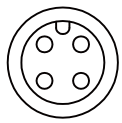
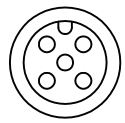
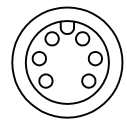
(8) Front Fastened **(F)** or Rear Fastened **(H)**

IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

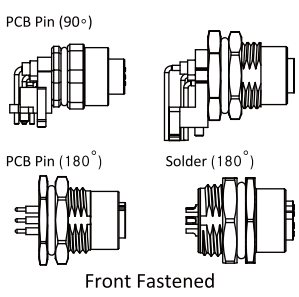
↘ M12 A-Coded (Metal Nut) > Receptacle > Female Connector



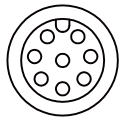
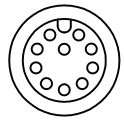
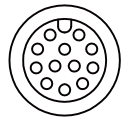
Backshell: Hexagonal

Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	PG9	M12A-03PFFP-SF8001	M12A-04PFFP-SF8001	M12A-05PFFP-SF8001	M12A-06PFFP-SF8001
	M16.0	M12A-03PFFP-SF8002	M12A-04PFFP-SF8002	M12A-05PFFP-SF8002	M12A-06PFFP-SF8002
PCB Pin (90°)	M12	M12A-03PFFR-SF7003	M12A-04PFFR-SF7003	M12A-05PFFR-SF7003	-
	PG9	M12A-03PFFR-SF8001	M12A-04PFFR-SF8001	M12A-05PFFR-SF8001	-
	M16.0	M12A-03PFFR-SF8002	M12A-04PFFR-SF8002	M12A-05PFFR-SF8002	-
Solder Pin (180°)	PG9	M12A-03PFFS-S(8)8001	M12A-04PFFS-S(8)8001	M12A-05PFFS-S(8)8001	M12A-06PFFS-S(8)8001
	M16.0	M12A-03PFFS-S(8)8002	M12A-04PFFS-S(8)8002	M12A-05PFFS-S(8)8002	M12A-06PFFS-S(8)8002



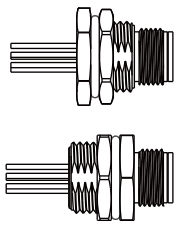
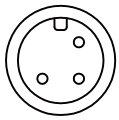
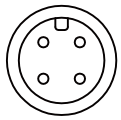
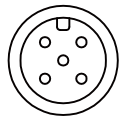
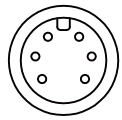
Backshell: Hexagonal

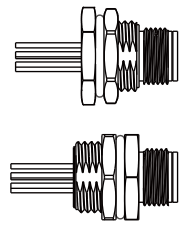
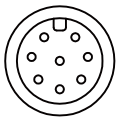
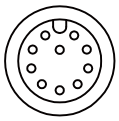
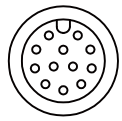




Type	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
PCB Pin (180°)	PG9	M12A-08PFFP-SF8001	M12A-10PFFP-SF8001	M12A-12PFFP-SF8001
	M16.0	M12A-08PFFP-SF8002	M12A-10PFFP-SF8002	M12A-12PFFP-SF8002
PCB Pin (90°)	M12	M12A-08PFFR-SF7003	-	-
	PG9	-	-	-
	M16.0	-	-	-
Solder Pin (180°)	PG9	M12A-08PFFS-S(8)8001	M12A-10PFFS-S(8)8001	M12A-12PFFS-S(8)8001
	M16.0	M12A-08PFFS-S(8)8002	M12A-10PFFS-S(8)8002	M12A-12PFFS-S(8)8002

(8) Front Fastened **(F)** or Rear Fastened **(H)**

↘ M12 A-Coded (Metal Nut) > Receptacle with Wire Harness > Male Connector

 Backshell: Hexagonal					
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
150mm	PG9	M12A-03PMMC-S(8)8B15	M12A-04PMMC-S(8)8B15	M12A-05PMMC-S(8)8B15	M12A-06PMMS-S(8)8B15
	M16.0	M12A-03PMMC-S(8)8C15	M12A-04PMMC-S(8)8C15	M12A-05PMMC-S(8)8C15	M12A-06PMMS-S(8)8C15
300mm	PG9	M12A-03PMMC-S(8)8B30	M12A-04PMMC-S(8)8B30	M12A-05PMMC-S(8)8B30	M12A-06PMMS-S(8)8B30
	M16.0	M12A-03PMMC-S(8)8C30	M12A-04PMMC-S(8)8C30	M12A-05PMMC-S(8)8C30	M12A-06PMMS-S(8)8C30
500mm	PG9	M12A-03PMMC-S(8)8B50	M12A-04PMMC-S(8)8B50	M12A-05PMMC-S(8)8B50	M12A-06PMMS-S(8)8B50
	M16.0	M12A-03PMMC-S(8)8C50	M12A-04PMMC-S(8)8C50	M12A-05PMMC-S(8)8C50	M12A-06PMMS-S(8)8C50
1000mm	PG9	M12A-03PMMC-S(8)8BA0	M12A-04PMMC-S(8)8BA0	M12A-05PMMC-S(8)8BA0	M12A-06PMMS-S(8)8BA0
	M16.0	M12A-03PMMC-S(8)8CA0	M12A-04PMMC-S(8)8CA0	M12A-05PMMC-S(8)8CA0	M12A-06PMMS-S(8)8CA0
1500mm	PG9	M12A-03PMMC-S(8)8BA5	M12A-04PMMC-S(8)8BA5	M12A-05PMMC-S(8)8BA5	M12A-06PMMS-S(8)8BA5
	M16.0	M12A-03PMMC-S(8)8CA5	M12A-04PMMC-S(8)8CA5	M12A-05PMMC-S(8)8CA5	M12A-06PMMS-S(8)8CA5

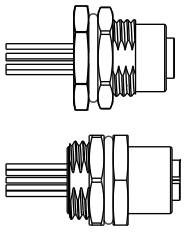
 Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
150mm	PG9	M12A-08PMMS-S(8)8B15	M12A-10PMMS-S(8)8B15	M12A-12PMMS-S(8)8B15
	M16.0	M12A-08PMMS-S(8)8C15	M12A-10PMMS-S(8)8C15	M12A-12PMMS-S(8)8C15
300mm	PG9	M12A-08PMMS-S(8)8B30	M12A-10PMMS-S(8)8B30	M12A-12PMMS-S(8)8B30
	M16.0	M12A-08PMMS-S(8)8C30	M12A-10PMMS-S(8)8C30	M12A-12PMMS-S(8)8C30
500mm	PG9	M12A-08PMMS-S(8)8B50	M12A-10PMMS-S(8)8B50	M12A-12PMMS-S(8)8B50
	M16.0	M12A-08PMMS-S(8)8C50	M12A-10PMMS-S(8)8C50	M12A-12PMMS-S(8)8C50
1000mm	PG9	M12A-08PMMS-S(8)8BA0	M12A-10PMMS-S(8)8BA0	M12A-12PMMS-S(8)8BA0
	M16.0	M12A-08PMMS-S(8)8CA0	M12A-10PMMS-S(8)8CA0	M12A-12PMMS-S(8)8CA0
1500mm	PG9	M12A-08PMMS-S(8)8BA5	M12A-10PMMS-S(8)8BA5	M12A-12PMMS-S(8)8BA5
	M16.0	M12A-08PMMS-S(8)8CA5	M12A-10PMMS-S(8)8CA5	M12A-12PMMS-S(8)8CA5

(8) Front Fastened **(F)** or Rear Fastened **(H)**

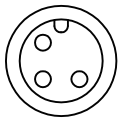
* Other wire types are available upon request.

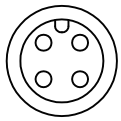
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

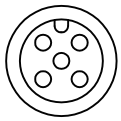
↘ M12 A-Coded (Metal Nut) > Receptacle with Wire Harness > Female Connector

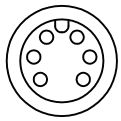


Backshell: Hexagonal

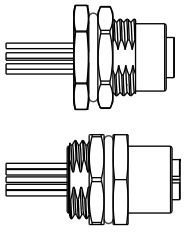




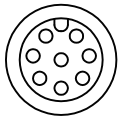


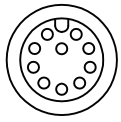


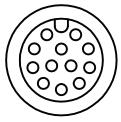
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
150mm	PG9	M12A-03PFFC-S(8)8B15	M12A-04PFFC-S(8)8B15	M12A-05PFFC-S(8)8B15	M12A-06PFFS-S(8)8B15
	M16.0	M12A-03PFFC-S(8)8C15	M12A-04PFFC-S(8)8C15	M12A-05PFFC-S(8)8C15	M12A-06PFFS-S(8)8C15
300mm	PG9	M12A-03PFFC-S(8)8B30	M12A-04PFFC-S(8)8B30	M12A-05PFFC-S(8)8B30	M12A-06PFFS-S(8)8B30
	M16.0	M12A-03PFFC-S(8)8C30	M12A-04PFFC-S(8)8C30	M12A-05PFFC-S(8)8C30	M12A-06PFFS-S(8)8C30
500mm	PG9	M12A-03PFFC-S(8)8B50	M12A-04PFFC-S(8)8B50	M12A-05PFFC-S(8)8B50	M12A-06PFFS-S(8)8B50
	M16.0	M12A-03PFFC-S(8)8C50	M12A-04PFFC-S(8)8C50	M12A-05PFFC-S(8)8C50	M12A-06PFFS-S(8)8C50
1000mm	PG9	M12A-03PFFC-S(8)8BA0	M12A-04PFFC-S(8)8BA0	M12A-05PFFC-S(8)8BA0	M12A-06PFFS-S(8)8BA0
	M16.0	M12A-03PFFC-S(8)8CA0	M12A-04PFFC-S(8)8CA0	M12A-05PFFC-S(8)8CA0	M12A-06PFFS-S(8)8CA0
1500mm	PG9	M12A-03PFFC-S(8)8BA5	M12A-04PFFC-S(8)8BA5	M12A-05PFFC-S(8)8BA5	M12A-06PFFS-S(8)8BA5
	M16.0	M12A-03PFFC-S(8)8CA5	M12A-04PFFC-S(8)8CA5	M12A-05PFFC-S(8)8CA5	M12A-06PFFS-S(8)8CA5



Backshell: Hexagonal





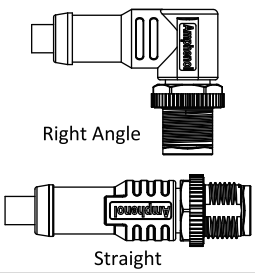
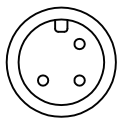
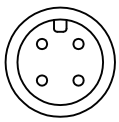
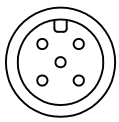
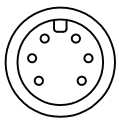
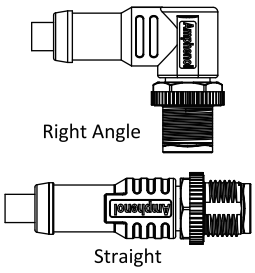
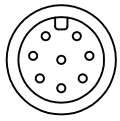
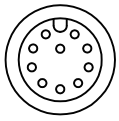
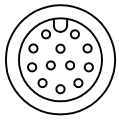


Wire Length (UL1007)*	Mounting Thread	2A / 30V	1.5A / 30V	1.5A / 30V
150mm	PG9	M12A-08PFFS-S(8)8B15	M12A-10PFFS-S(8)8B15	M12A-12PFFS-S(8)8B15
	M16.0	M12A-08PFFS-S(8)8C15	M12A-10PFFS-S(8)8C15	M12A-12PFFS-S(8)8C15
300mm	PG9	M12A-08PFFS-S(8)8B30	M12A-10PFFS-S(8)8B30	M12A-12PFFS-S(8)8B30
	M16.0	M12A-08PFFS-S(8)8C30	M12A-10PFFS-S(8)8C30	M12A-12PFFS-S(8)8C30
500mm	PG9	M12A-08PFFS-S(8)8B50	M12A-10PFFS-S(8)8B50	M12A-12PFFS-S(8)8B50
	M16.0	M12A-08PFFS-S(8)8C50	M12A-10PFFS-S(8)8C50	M12A-12PFFS-S(8)8C50
1000mm	PG9	M12A-08PFFS-S(8)8BA0	M12A-10PFFS-S(8)8BA0	M12A-12PFFS-S(8)8BA0
	M16.0	M12A-08PFFS-S(8)8CA0	M12A-10PFFS-S(8)8CA0	M12A-12PFFS-S(8)8CA0
1500mm	PG9	M12A-08PFFS-S(8)8BA5	M12A-10PFFS-S(8)8BA5	M12A-12PFFS-S(8)8BA5
	M16.0	M12A-08PFFS-S(8)8CA5	M12A-10PFFS-S(8)8CA5	M12A-12PFFS-S(8)8CA5

(8) Front Fastened **(F)** or Rear Fastened **(H)**

【Note】Design and specification are subject to change without notice.

↘ M12 A-Coded (Metal Nut) > Overmolded with Cable > Male Connector

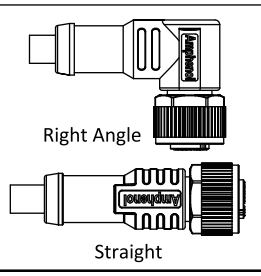
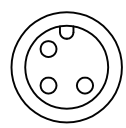
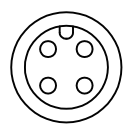
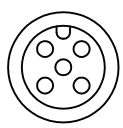
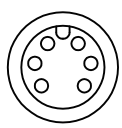
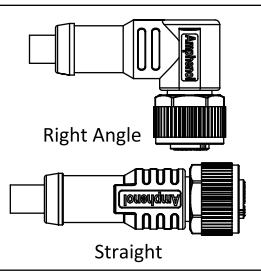
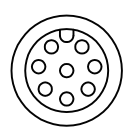
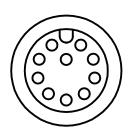
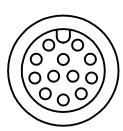
				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	M12A-03BMMM-S 8 8XXX*	M12A-04BMMM-S 8 8XXX*	M12A-05BMMM-S 8 8XXX*	M12A-06BMMM-S 8 8XXX*
				
Type	4A/250V	4A/250V	4A/60V	
Without Strain Relief	M12A-08BMMM-S 8 8XXX*	M12A-10BMMM-S 8 8XXX*	M12A-12BMMM-S 8 8XXX*	

8 Straight **(L)** or Right Angle **(R)**

* XXX: Choose the cable type and length:

- PVC(UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU(UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

↘ M12 A-Coded (Metal Nut) > Overmolded with Cable > Female Connector

				
Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	M12A-03BFFM-S 8 8XXX*	M12A-04BFFM-S 8 8XXX*	M12A-05BFFM-S 8 8XXX*	M12A-06BFFM-S 8 8XXX*
				
Type	4A/250V	4A/250V	4A/60V	
Without Strain Relief	M12A-08BFFM-S 8 8XXX*	M12A-10BFFM-S 8 8XXX*	M12A-12BFFM-S 8 8XXX*	

8 Straight **(L)** or Right Angle **(R)**

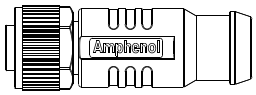
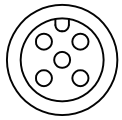
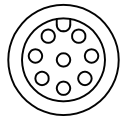
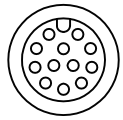
* XXX: Choose the cable type and length:

- PVC(UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU(UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

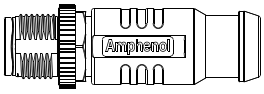
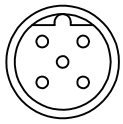
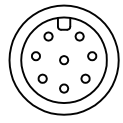
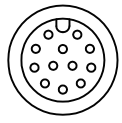
IP 65 . 67 . 68

Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 A-Coded (Metal Nut) > Overmolded with Cable > Female Connector

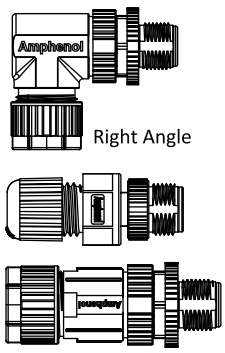
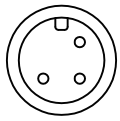
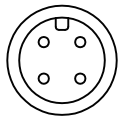
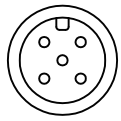
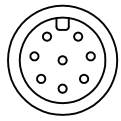
			
Type	4A/60V	2A / 30V	1.5A / 30V
Without Strain Relief	MSAS-05BFFM-SL8D01	MSAS-08BFFM-SL8D01	MSAS-12BFFM-SL8D01

↘ M12 A-Coded (Metal Nut) > Overmolded with Cable > Male Connector

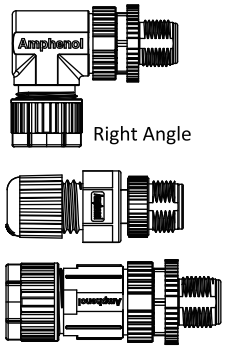
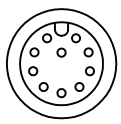
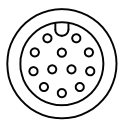
			
Type	4A/60V	2A / 30V	1.5A / 30V
Without Strain Relief	MSAS-05BMMM-SL8D01	MSAS-08BMMM-SL8D01	MSAS-12BMMM-SL8D01

【Note】Design and specification are subject to change without notice.

↘ M12 A-Coded (Metal Nut) > Field Installable > Male Connector

 Right Angle / Straight					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	12-03BMMA-SL8001	12-04BMMA-SL8001	12-05BMMA-SL8001	12-08BMMA-SL8001
	Screw Type	M12A-03BMMB-S 8 7001	M12A-04BMMB-S 8 7001	M12A-05BMMB-S 8 7001	M12A-08BMMB-S 8 7001

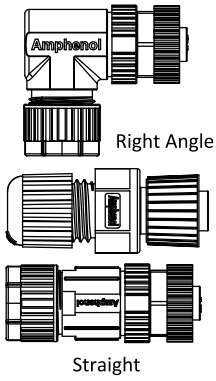
8 Straight **(L)** or Right Angle **(R)**

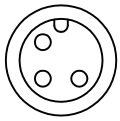
 Right Angle / Straight			
Type	Contact Type	1.5A / 30V	1.5A / 30V
Without Strain Relief	Solder Type	M12A-10BMMA-S 8 7001	M12A-12BMMA-S 8 7001
	Screw Type	-	-

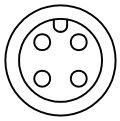
【Note】Design and specification are subject to change without notice.

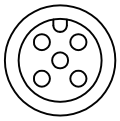
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

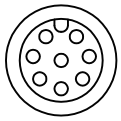
↘ M12 A-Coded (Metal Nut) > Field Installable > Female Connector





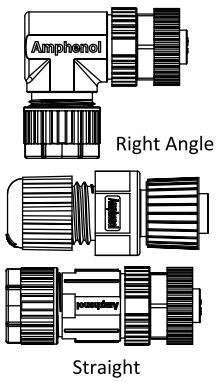


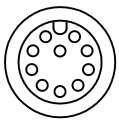


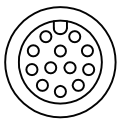


Type	Contact Type	4A/250V	4A/250V	4A/60V	2A / 30V
Without Strain Relief	Solder Type	12-03BFFA-SL8001	12-04BFFA-SL8001	12-05BFFA-SL8001	12-08BFFA-SL8001
	Screw Type	M12A-03BFFB-S 8 7001	M12A-04BFFB-S 8 7001	M12A-05BFFB-S 8 7001	M12A-08BFFB-S 8 7001

8 Straight **(L)** or Right Angle **(R)**

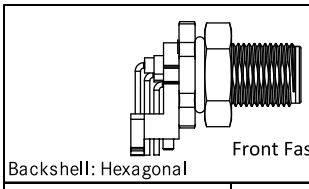
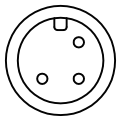
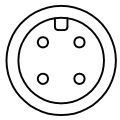
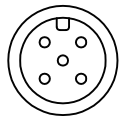




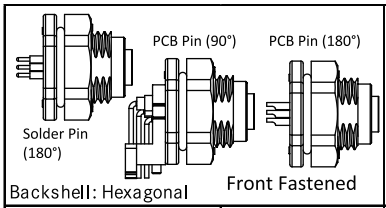
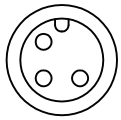
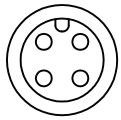
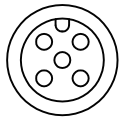
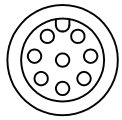


Type	Contact Type	1.5A / 30V	1.5A / 30V
Without Strain Relief	Solder Type	M12A-10BFFA-S 8 7001	M12A-12BFFA-S 8 7001
	Screw Type	-	-

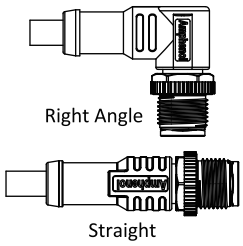
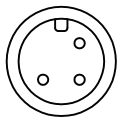
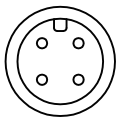
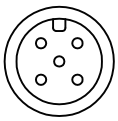
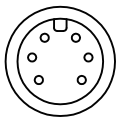
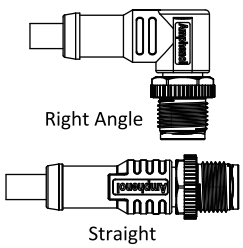
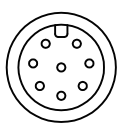
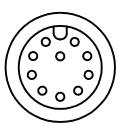
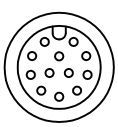
↘ M12 A-Coded (Plastic) > Receptacle > Male Connector > Front Fastened

 Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
Solder Pin (90°)	M12	MSAP-03PMMR-SF8003	MSAP-04PMMR-SF8003	MSAP-05PMMR-SF8003

↘ M12 A-Coded (Plastic) > Receptacle > Female Connector

 Backshell: Hexagonal					
Type	Mounting Thread	4A/250V	4A/250V	4A/60V	2A / 30V
PCB Pin (180°)	M16.0	MSAP-03PFFP-SF8002	MSAP-04PFFP-SF8002	MSAP-05PFFP-SF8002	MSAP-08PFFP-SF8002
PCB Pin (90°)	M16.0	MSAP-03PFFR-SF8002	MSAP-04PFFR-SF8002	MSAP-05PFFR-SF8002	-
Solder Pin (180°)	M16.0	MSAP-03PFFS-SF8002	MSAP-04PFFS-SF8002	MSAP-05PFFS-SF8002	MSAP-08PFFS-SF8002

↘ M12 A-Coded (Plastic) > Overmolded with Cable > Male Connector

				
Type	4A/250V	4A/250V	4A/60V	2A/30V
Without Strain Relief	MSAP-03BMMM-S8 8XXX*	MSAP-04BMMM-S8 8XXX*	MSAP-05BMMM-S8 8XXX*	MSAP-06BMMM-S8 8XXX*
				
Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	MSAP-08BMMM-S8 8XXX*	MSAP-10BMMM-S8 8XXX*	MSAP-12BMMM-S8 8XXX*	

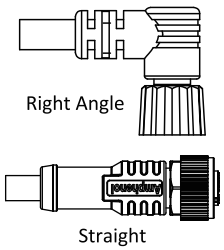
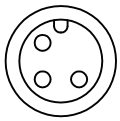
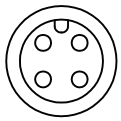
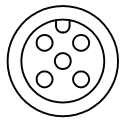
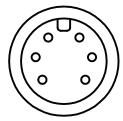
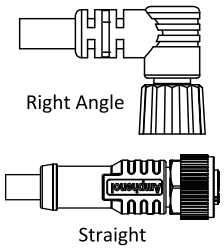
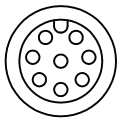
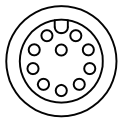
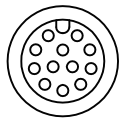
8 Right Angle **(R)** or Straight **(L)**

* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

【Note】Design and specification are subject to change without notice.

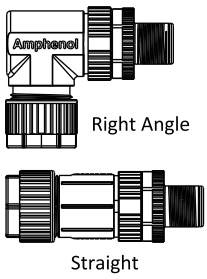
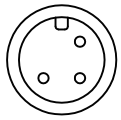
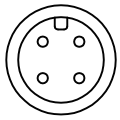
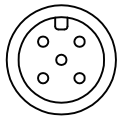
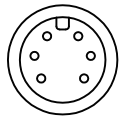
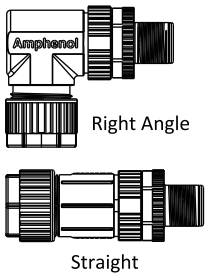
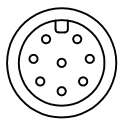
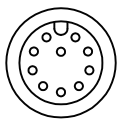
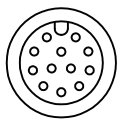
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 A-Coded (Plastic) > Overmolded with Cable > Female Connector

				
Type	4A/250V	4A/250V	4A/60V	2A/30V
Without Strain Relief	MSAP-03BFFM-S8 8XXX*	MSAP-04BFFM-S8 8XXX*	MSAP-05BFFM-S8 8XXX*	MSAP-06BFFM-S8 8XXX*
				
Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	MSAP-08BFFM-S8 8XXX*	MSAP-10BFFM-S8 8XXX*	MSAP-12BFFM-S8 8XXX*	

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

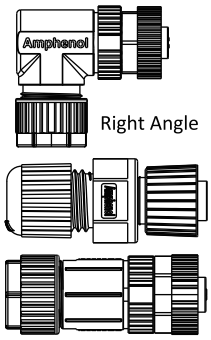
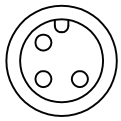
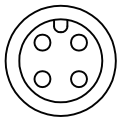
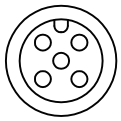
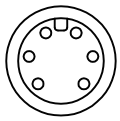
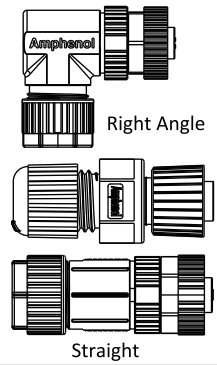
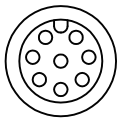
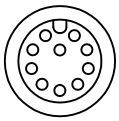
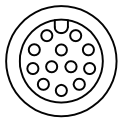
↘ M12 A-Coded (Plastic) > Field Installable > Male Connector

					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A/30V
Without Strain Relief	Solder Type	12P-03BMMA-SL8001	12P-04BMMA-SL8001	12P-05BMMA-SL8001	_
	Screw Type	MSAP-03BMMB-S8 7001	MSAP-04BMMB-S8 7001	MSAP-05BMMB-S8 7001	_
					
Type	Contact Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	Solder Type	12P-08BMMA-SL8001	MSAP-10BMMA-S8 7001	MSAP-12BMMA-S8 7001	
	Screw Type	MSAP-08BMMA-S8 8001	_	_	

8 Right Angle **(R)** or Straight **(L)**

【Note】Design and specification are subject to change without notice.

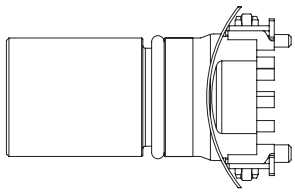
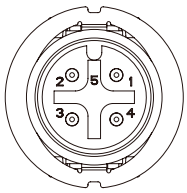
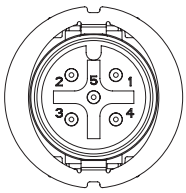
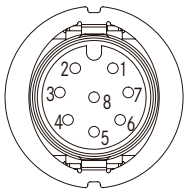
↘ M12 A-Coded (Plastic) > Field Installable > Female Connector

					
Type	Contact Type	4A/250V	4A/250V	4A/60V	2A/30V
Without Strain Relief	Solder Type	12P-03BFFA-SL8001	12P-04BFFA-SL8001	12P-05BFFA-SL8001	_
	Screw Type	MSAP-03BFFB-S 8 7001	MSAP-04BFFB-S 8 7001	MSAP-05BFFB-S 8 7001	_
					
Type	Contact Type	2A/30V	1.5A/30V	1.5A/30V	
Without Strain Relief	Solder Type	12P-08BFFA-SL8001	MSAP-10BFFA-S 8 7001	MSAP-12BFFA-S 8 7001	
	Screw Type	MSAP-08BFFA-S 8 8001	_	_	

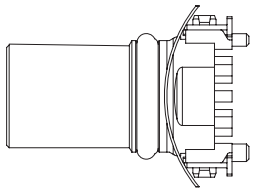
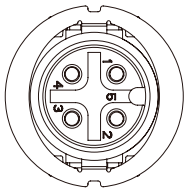
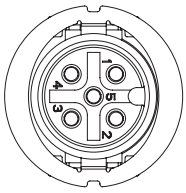
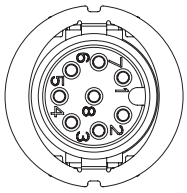
8 Right Angle **(R)** or Straight **(L)**

【Note】Design and specification are subject to change without notice.

↘ M12 A-Coded (SMT) > Receptacle > Male Connector

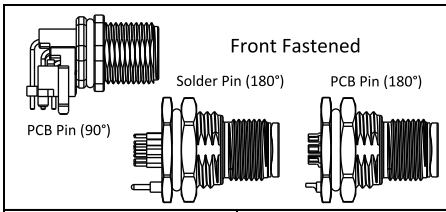
				
Type	Mounting Thread	4A/250V	4A/60V	2A/30V
Without Strain Relief	SMT Type	MSAS-04PMMT-EE8001	MSAS-05PMMT-EE8001	MSAS-08PMMT-EE8001

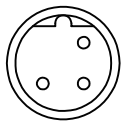
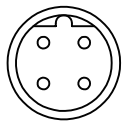
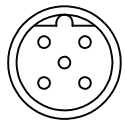
↘ M12 A-Coded (SMT) > Receptacle > Female Connector

				
Type	Mounting Thread	4A/250V	4A/60V	2A/30V
Without Strain Relief	SMT Type	MSAS-04PFFT-EE8001	MSAS-05PFFT-EE8001	MSAS-08PFFT-EE8001

IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

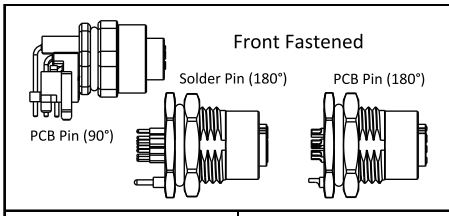
↘ M12 B-Coded (Shielded) > Receptacle > Male Connector

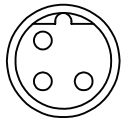
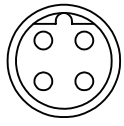
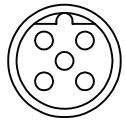


Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSBS-03PMMP-SF8001	MSBS-04PMMP-SF8001	MSBS-05PMMP-SF8001
	M16.0	MSBS-03PMMP-SF8002	MSBS-04PMMP-SF8002	MSBS-05PMMP-SF8002
PCB Pin (90°)	M12	-	-	MSBS-05PMMR-SF7003
Solder Pin (180°)	PG9	MSBS-03PMMS-SF8001	MSBS-04PMMS-SF8001	MSBS-05PMMS-SF8001
	M16.0	MSBS-03PMMS-SF8002	MSBS-04PMMS-SF8002	MSBS-05PMMS-SF8002

↘ M12 B-Coded (Shielded) > Receptacle > Female Connector

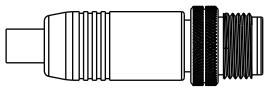
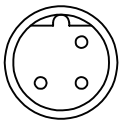
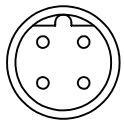
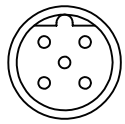


Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSBS-03PFFP-SF8001	MSBS-04PFFP-SF8001	MSBS-05PFFP-SF8001
	M16.0	MSBS-03PFFP-SF8002	MSBS-04PFFP-SF8002	MSBS-05PFFP-SF8002
PCB Pin (90°)	M12	-	-	MSBS-05PFFR-SF7003
Solder Pin (180°)	PG9	MSBS-03PFFS-SF8001	MSBS-04PFFS-SF8001	MSBS-05PFFS-SF8001
	M16.0	MSBS-03PFFS-SF8002	MSBS-04PFFS-SF8002	MSBS-05PFFS-SF8002

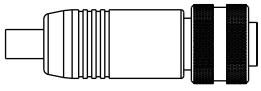
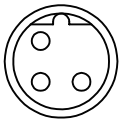
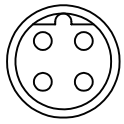
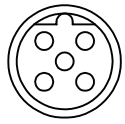
【Note】Design and specification are subject to change without notice.

↘ M12 B-Coded (Shielded) > Overmolded with Cable > Male Connector

 Straight			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	-	MSBS-05BMMM-SL7XXX*

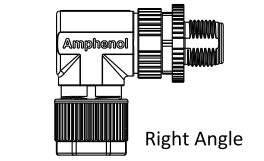
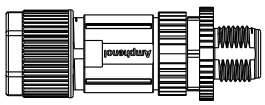
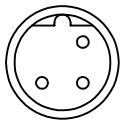
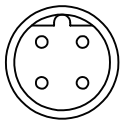
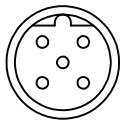
* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU (UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

↘ M12 B-Coded (Shielded) > Overmolded with Cable > Female Connector

 Straight			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	-	MSBS-05BFFM-SL7XXX*

* XXX: Choose the cable type and length:
- PVC (UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU (UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

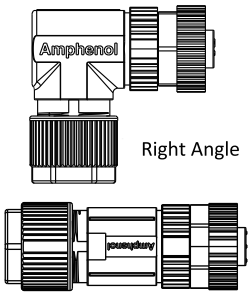
↘ M12 B-Coded (Shielded) > Field Installable > Male Connector

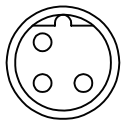
 Right Angle  Straight			
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	MSBS-05BMMB-S8 7001

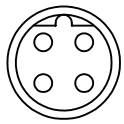
8 Right Angle **(R)** or Straight **(L)**

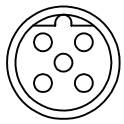
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 B-Coded (Shielded) > Field Installable > Female Connector





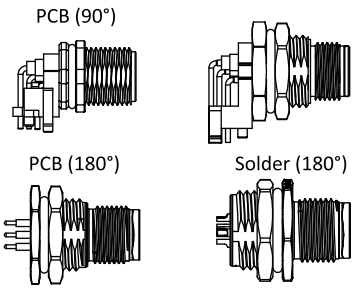


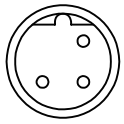


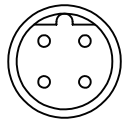
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	-	MSBS-05BFFB-S8 7001

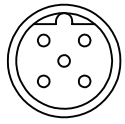
8 Right Angle **(R)** or Straight **(L)**

↘ M12 B-Coded (Metal Nut) > Receptacle > Male Connector







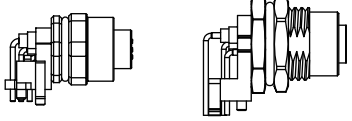
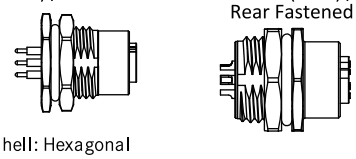
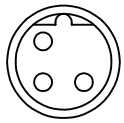
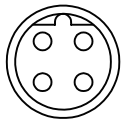
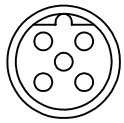


Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12B-03PMMP-SF8001	M12B-04PMMP-SF8001	M12B-05PMMP-SF8001
	M16.0	M12B-03PMMP-SF8002	M12B-04PMMP-SF8002	M12B-05PMMP-SF8001
PCB Pin (90°)	M12	-	-	M12B-05PMMR-SF7003
	PG9	-	-	M12B-05PMMR-SF8001
	M16.0	-	-	M12B-05PMMR-SF8002
Solder Pin (180°)	PG9	M12B-03PMMS-S8 8001	M12B–04PMMS-S8 8001	M12B-05PMMS-S8 8001
	M16.0	M12B-03PMMS-S8 8002	M12B-04PMMS-S8 8002	M12B-05PMMS-S8 8002

8 Front Fastened **(F)** or Rear Fastened **(H)**

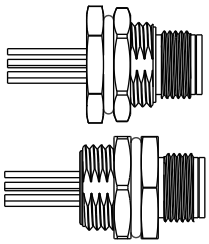
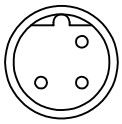
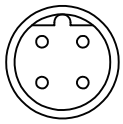
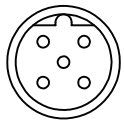
【Note】Design and specification are subject to change without notice.

↘ M12 B-Coded (Metal Nut) > Receptacle > Female Connector

PCB (180°) / Front Fastened  PCB (180°) / Front Fastened Solder (180°) / Rear Fastened  Backshell: Hexagonal				
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12B-03PFFP-SF8001	M12B-04PFFP-SF8001	M12B-05PFFP-SF8001
	M16.0	M12B-03PFFP-SF8002	M12B-04PFFP-SF8002	M12B-05PFFP-SF8001
PCB Pin (90°)	M12	-	-	M12B-05PFFR-SF7003
	PG9	-	-	M12B-05PFFR-SF8001
	M16.0	-	-	M12B-05PFFR-SF8002
Solder Pin (180°)	PG9	M12B-03PFFS-S8001	M12B–04PFFS-S8001	M12B-05PFFS-S8001
	M16.0	M12B-03PFFS-S8002	M12B-04PFFS-S8002	M12B-05PFFS-S8002

8 Front Fastened **(F)** or Rear Fastened **(H)**

↘ M12 B-Coded (Metal Nut) > Receptacle with Wire Harness > Male Connector

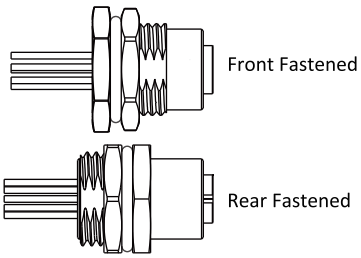
 Front Fastened Rear Fastened Backshell: Hexagonal				
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12B-03PMMC-S8B15	M12B-04PMMC-S8B15	M12B-05PMMC-S8B15
	M16.0	M12B-03PMMC-S8C15	M12B-04PMMC-S8C15	M12B-05PMMC-S8C15
300mm	PG9	M12B-03PMMC-S8B30	M12B-04PMMC-S8B30	M12B-05PMMC-S8B30
	M16.0	M12B-03PMMC-S8C30	M12B-04PMMC-S8C30	M12B-05PMMC-S8C30
500mm	PG9	M12B-03PMMC-S8B50	M12B-04PMMC-S8B50	M12B-05PMMC-S8B50
	M16.0	M12B-03PMMC-S8C50	M12B-04PMMC-S8C50	M12B-05PMMC-S8C50
1000mm	PG9	M12B-03PMMC-S8BA0	M12B-04PMMC-S8BA0	M12B-05PMMC-S8BA0
	M16.0	M12B-03PMMC-S8CA0	M12B-04PMMC-S8CA0	M12B-05PMMC-S8CA0
1500mm	PG9	M12B-03PMMC-S8BA5	M12B-04PMMC-S8BA5	M12B-05PMMC-S8BA5
	M16.0	M12B-03PMMC-S8CA5	M12B-04PMMC-S8CA5	M12B-05PMMC-S8CA5

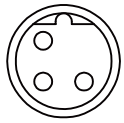
8 Front Fastened **(F)** or Rear Fastened **(H)**

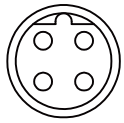
* Other wire types are available upon request.

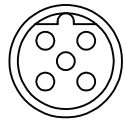
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 B-Code (Metal Nut) > Receptacle with Wire Harness > Female Connector







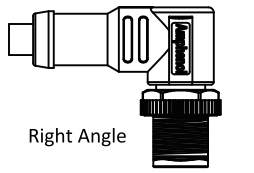


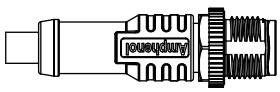
Backshell: Hexagonal

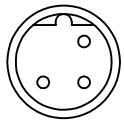
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12B-03PFFC-S8 8B15	M12B-04PFFC-S8 8B15	M12B-05PFFC-S8 8B15
	M16.0	M12B-03PFFC-S8 8C15	M12B-04PFFC-S8 8C15	M12B-05PFFC-S8 8C15
300mm	PG9	M12B-03PFFC-S8 8B30	M12B-04PFFC-S8 8B30	M12B-05PFFC-S8 8B30
	M16.0	M12B-03PFFC-S8 8C30	M12B-04PFFC-S8 8C30	M12B-05PFFC-S8 8C30
500mm	PG9	M12B-03PFFC-S8 8B50	M12B-04PFFC-S8 8B50	M12B-05PFFC-S8 8B50
	M16.0	M12B-03PFFC-S8 8C50	M12B-04PFFC-S8 8C50	M12B-05PFFC-S8 8C50
1000mm	PG9	M12B-03PFFC-S8 8BA0	M12B–04PFFC-S8 8BA0	M12B-05PFFC-S8 8BA0
	M16.0	M12B-03PFFC-S8 8CA0	M12B-04PFFC-S8 8CA0	M12B-05PFFC-S8 8CA0
1500mm	PG9	M12B-03PFFC-S8 8BA5	M12B-04PFFC-S8 8BA5	M12B-05PFFC-S8 8BA5
	M16.0	M12B-03PFFC-S8 8CA5	M12B-04PFFC-S8 8CA5	M12B-05PFFC-S8 8CA5

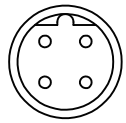
8 Front Fastened **(F)** or Rear Fastened **(H)**

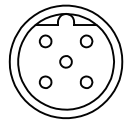
↘ M12 B-Coded (Metal Nut) > Overmolded with Cable > Male Connector









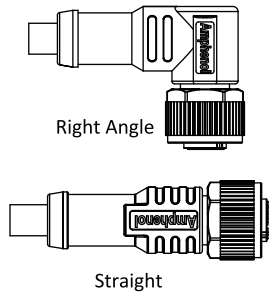
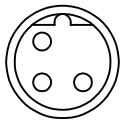
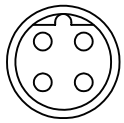
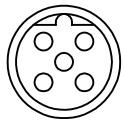


Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12B-03BMMM-S8 8XXX*	M12B-04BMMM-S8 8XXX*	M12B-05BMMM-S8 8XXX*

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU(UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

【Note】Design and specification are subject to change without notice.

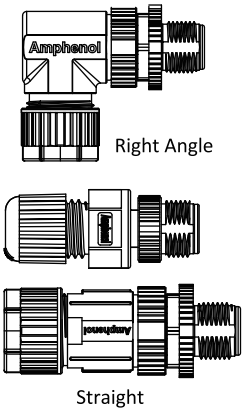
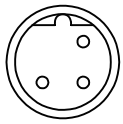
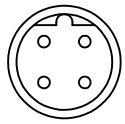
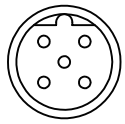
↘ M12 B-Coded (Metal Nut) > Overmolded with Cable > Female Connector

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12B-03BFFM-S8XXX*	M12B-04BFFM-S8XXX*	M12B-05BFFM-S8XXX*

8 Right Angle **(R)** or Straight **(L)**

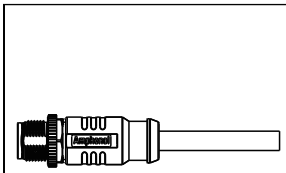
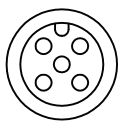
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU(UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

↘ M12 B-Coded (Metal Nut) > Field Installable > Male Connector

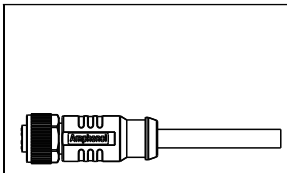
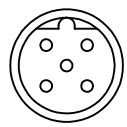
				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12B-03BMMA-SL8001	12B-04BMMA-SL8001	12B-05BMMA-SL8001
	Screw Type	-	-	M12B-05BMMB-S87001

8 Right Angle **(R)** or Straight **(L)**

↘ M12 B-Coded (Metal Nut) > Overmolded with Cable > Female Connector

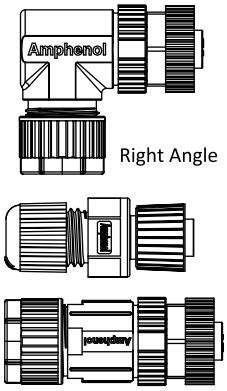
	
Type	4A/60V
Without Strain Relief	MSBS-05BFFM-SL8D01

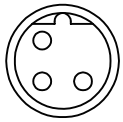
↘ M12 B-Coded (Metal Nut) > Overmolded with Cable > Male Connector

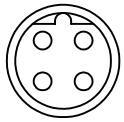
	
Type	4A/60V
Without Strain Relief	MSBS-05BMMM-SL8D01

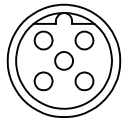
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 B-Coded (Metal Nut) > Field Installable > Female Connector





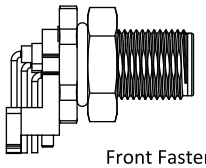




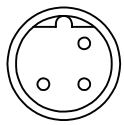
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12B-03BFFA-SL8001	12B-04BFFA-SL8001	12B-05BFFA-SL8001
	Screw Type	-	-	M12B-05BFFB-S(8)7001

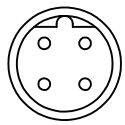
(8) Right Angle **(R)** or Straight **(L)**

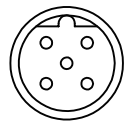
↘ M12 B-Coded (Plastic) > Receptacle > Male Connector



Backshell: Hexagonal

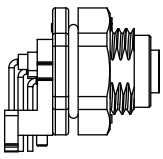




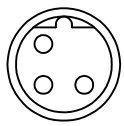


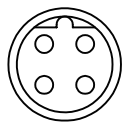
Type	Mounting Thread	4A/60V	4A/60V	4A/60V
PCB Pin (90°)	M12	-	-	MSBP-05PMMR-SF8003

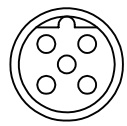
↘ M12 B-Coded (Plastic) > Receptacle > Female Connector



Backshell: Hexagonal

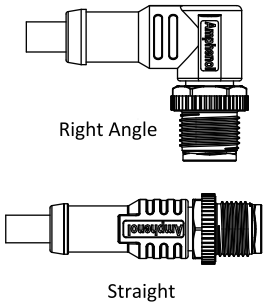
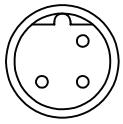
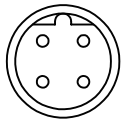
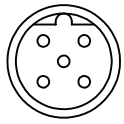






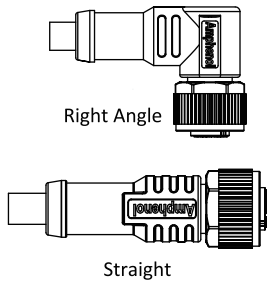
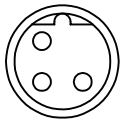
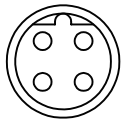
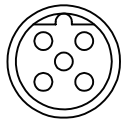
Type	Mounting Thread	4A/60V	4A/60V	4A/60V
PCB Pin (90°)	M12	-	-	MSBP-05PMMR-SF8003

↘ M12 B-Coded (Plastic) > Overmolded with Cable > Male Connector

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSBP-03BMMM-S8 8XXX*	MSBP-04BMMM-S8 8XXX*	MSBP-05BMMM-S8 8XXX*

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU(UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

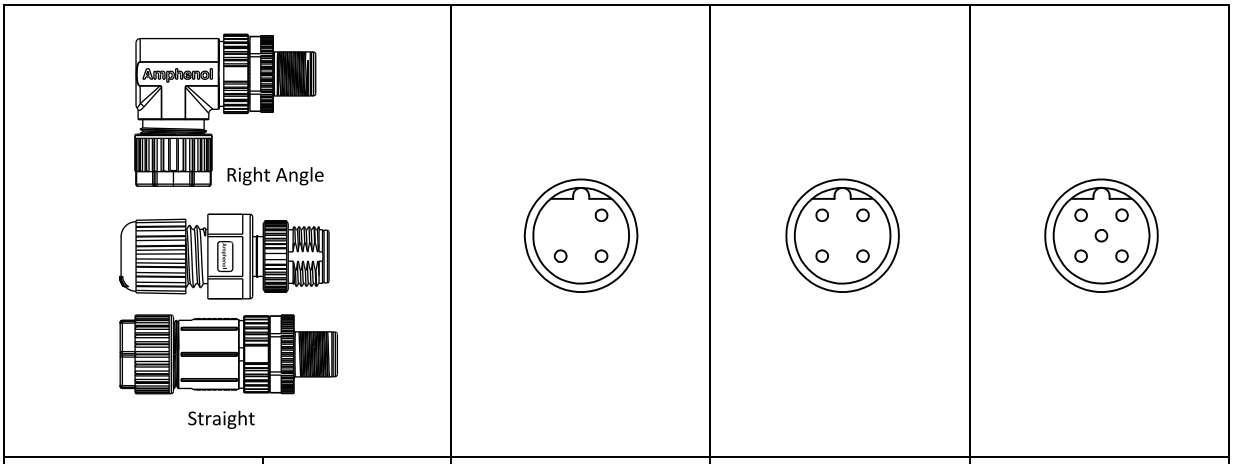
↘ M12 B-Coded (Plastic) > Overmolded with Cable > Female Connector

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSBP-03BFFM-S8 8XXX*	MSBP-04BFFM-S8 8XXX*	MSBP-05BFFM-S8 8XXX*

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU(UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

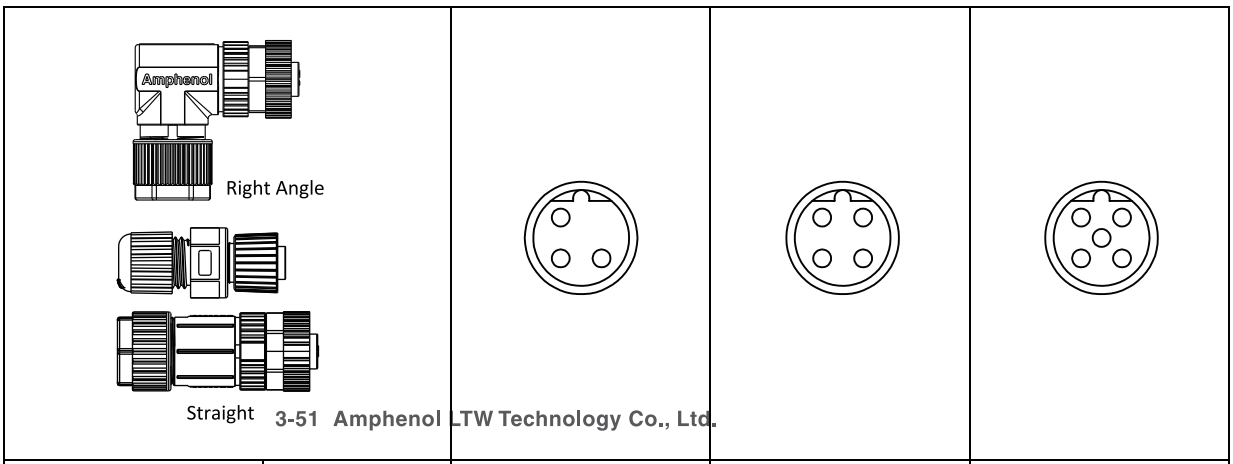
↘ M12 B-Coded (Plastic) > Field Installable > Male Connector



Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	SBP-03BMMA-SL8001	SBP-04BMMA-SL8001	SBP-05BMMA-SL8001
	Screw Type	-	-	MSBP-05BMMB-S8 7001

8 Right Angle **(R)** or Straight **(L)**

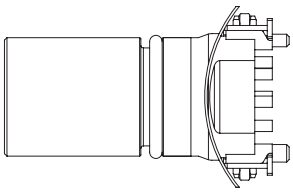
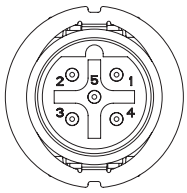
↘ M12 B-Coded (Plastic) > Field Installable > Female Connector



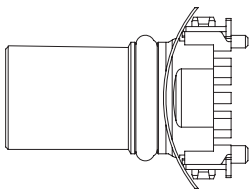
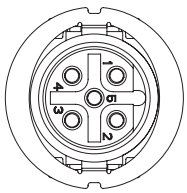
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	SBP-03BFFA-SL8001	SBP-04BFFA-SL8001	SBP-05BFFA-SL8001
	Screw Type	-	-	MSBP-05BFFB-S8 7001

8 Right Angle **(R)** or Straight **(L)**

↘ M12 B-Coded (SMT) > Receptacle > Male Connector

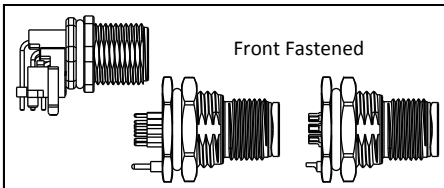
		
Type	Mounting Thread	4A/60V
Without Strain Relief	SMT Type	MSBS-05PMMT-EE8001

↘ M12 B-Coded (SMT) > Receptacle > Female Connector

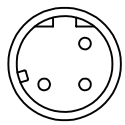
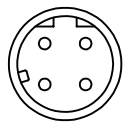
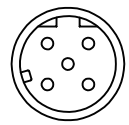
		
Type	Mounting Thread	4A/60V
Without Strain Relief	SMT Type	MSBS-05PFFT-EE8001

IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 D-Coded (Shielded) > Receptacle > Male Connector

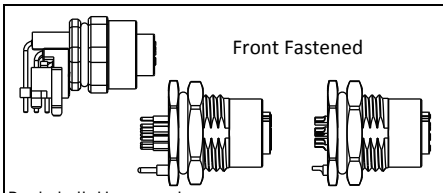


Backshell: Hexagonal

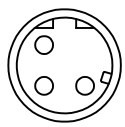
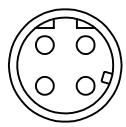
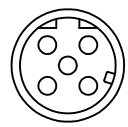




Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSDS-03PMMP-SF8001	MSDS-04PMMP-SF8001	MSDS-05PMMP-SF8001
	M16.0	MSDS-03PMMP-SF8002	MSDS-04PMMP-SF8002	MSDS-05PMMP-SF8002
PCB Pin (90°)	M12	-	MSDS-04PMMR-SF7003	-
Solder Pin (180°)	PG9	MSDS-03PMMS-SF8001	MSDS-04PMMS-SF8001	MSDS-05PMMS-SF8001
	M16.0	MSDS-03PMMS-SF8002	MSDS-04PMMS-SF8002	MSDS-05PMMS-SF8002

↘ M12 D-Coded (Shielded) > Receptacle > Female Connector

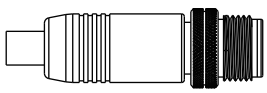


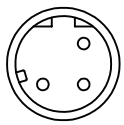
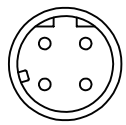
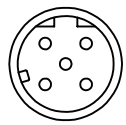
Backshell: Hexagonal

Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	MSDS-03PFFP-SF8001	MSDS-04PFFP-SF8001	MSDS-05PFFP-SF8001
	M16.0	MSDS-03PFFP-SF8002	MSDS-04PFFP-SF8002	MSDS-05PFFP-SF8002
PCB Pin (90°)	M12	-	MSDS-04PFFP-SF7003	-
Solder Pin (180°)	PG9	MSDS-03PFFS-SF8001	MSDS-04PFFS-SF8001	MSDS-05PFFS-SF8001
	M16.0	MSDS-03PFFS-SF8002	MSDS-04PFFS-SF8002	MSDS-05PFFS-SF8002

↘ M12 D-Coded (Shielded) > Overmolded with Cable > Male Connector

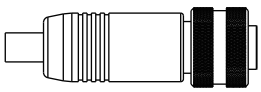
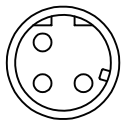
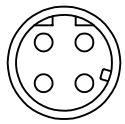
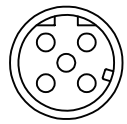

Straight

Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	MSDS-04BMMM-SL7XXX*	-

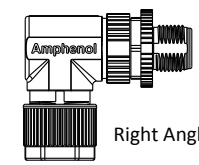
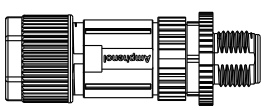
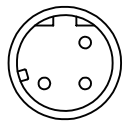
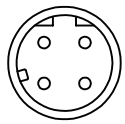
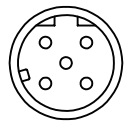
* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

↘ M12 D-Coded (Shielded) > Overmolded with Cable > Female Connector

 Straight			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	-	MSDS-04BFFM-SL7XXX*	-

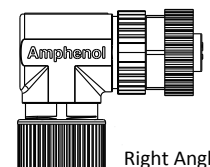
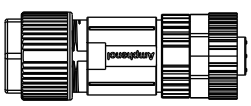
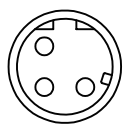
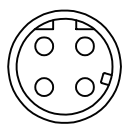
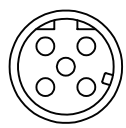
* XXX: Choose the cable type and length:
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**

↘ M12 D-Coded (Shielded) > Field Installable > Male Connector

 Right Angle  Straight				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDS-04BMMB-S8 7001	-

8 Right Angle **(R)** or Straight **(L)**

↘ M12 D-Coded (Shielded) > Field Installable > Female Connector

 Right Angle  Straight				
Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Screw Type	-	MSDS-04BFFB-S8 7001	-

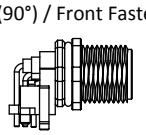
8 Right Angle **(R)** or Straight **(L)**

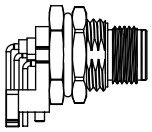
[Note] Design and specification are subject to change without notice.

IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

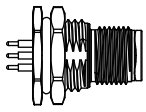
↘ M12 D-Coded (Metal Nut) > Receptacle > Male Connector

PCB (90°) / Front Fastened

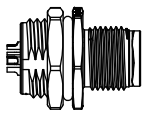




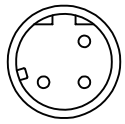
PCB (180°) / Front Fastened

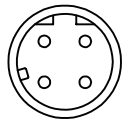


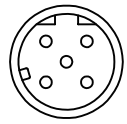
Solder (180°) / Rear Fastened



Backshell: Hexagonal





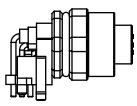


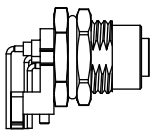
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12D-03PMMP-SF8001	M12D-04PMMP-SF8001	M12D-05PMMP-SF8001
	M16.0	M12D-03PMMP-SF8002	M12D-04PMMP-SF8001	M12D-05PMMP-SF8001
PCB Pin (90°)	M12	-	M12D-04PMMR-SF7003	-
	PG9	-	M12D-04PMMR-SF8001	-
	M16.0	-	M12D-04PMMR-SF8002	-
Solder Pin (180°)	PG9	M12D-03PMMS-S⑧8001	M12D-04PMMS-S⑧8001	M12D-05PMMS-S⑧8001
	M16.0	M12D-03PMMS-S⑧8002	M12D-04PMMS-S⑧8002	M12D-05PMMS-S⑧8002

⑧ Front Fastened **(F)** or Rear Fastened **(H)**

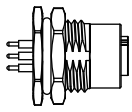
↘ M12 D-Coded (Metal Nut) > Receptacle > Female Connector

PCB (90°) / Front Fastened

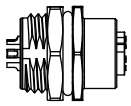


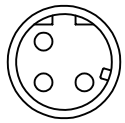


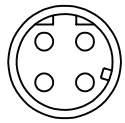
PCB (180°) / Front Fastened

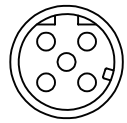


Solder (180°) / Rear Fastened





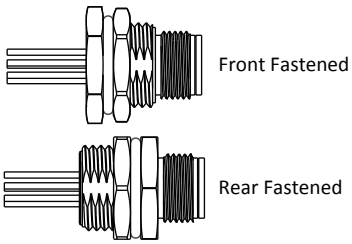




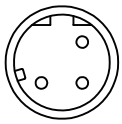
Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (180°)	PG9	M12D-03PFFP-SF8001	M12D-04PFFP-SF8001	M12D-05PFFP-SF8001
	M16.0	M12D-03PFFP-SF8002	M12D-04PFFP-SF8001	M12D-05PFFP-SF8001
PCB Pin (90°)	M12	-	M12D-04PFFR-SF7003	-
	PG9	-	M12D-04PFFR-SF8001	-
	M16.0	-	M12D-04PFFR-SF8002	-
Solder Pin (180°)	PG9	M12D-03PFFS-S⑧8001	M12D-04PFFS-S⑧8001	M12D-05PFFS-S⑧8001
	M16.0	M12D-03PFFS-S⑧8002	M12D-04PFFS-S⑧8002	M12D-05PFFS-S⑧8002

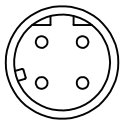
⑧ Front Fastened **(F)** or Rear Fastened **(H)**

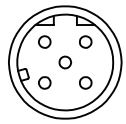
↘ M12 D-Coded (Metal Nut) > Receptacle with Wire Harness > Male Connector



Backshell: Hexagonal



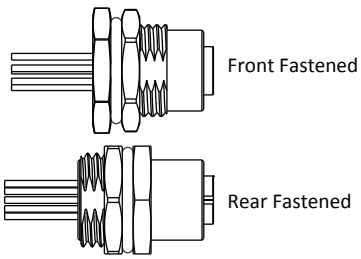




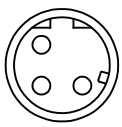
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12D-03PMMC-S(8)8B15	M12D-04PMMC-S(8)8B15	M12D-05PMMC-S(8)8B15
	M16.0	M12D-03PMMC-S(8)8C15	M12D-04PMMC-S(8)8C15	M12D-05PMMC-S(8)8C15
300mm	PG9	M12D-03PMMC-S(8)8B30	M12D-04PMMC-S(8)8B30	M12D-05PMMC-S(8)8B30
	M16.0	M12D-03PMMC-S(8)8C30	M12D-04PMMC-S(8)8C30	M12D-05PMMC-S(8)8C30
500mm	PG9	M12D-03PMMC-S(8)8B50	M12D-04PMMC-S(8)8B50	M12D-05PMMC-S(8)8B50
	M16.0	M12D-03PMMC-S(8)8C50	M12D-04PMMC-S(8)8C50	M12D-05PMMC-S(8)8C50
1000mm	PG9	M12D-03PMMC-S(8)8BA0	M12D-04PMMC-S(8)8BA0	M12D-05PMMC-S(8)8BA0
	M16.0	M12D-03PMMC-S(8)8CA0	M12D-04PMMC-S(8)8CA0	M12D-05PMMC-S(8)8CA0
1500mm	PG9	M12D-03PMMC-S(8)8BA5	M12D-04PMMC-S(8)8BA5	M12D-05PMMC-S(8)8BA5
	M16.0	M12D-03PMMC-S(8)8CA5	M12D-04PMMC-S(8)8CA5	M12D-05PMMC-S(8)8CA5

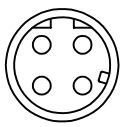
(8) Front Fastened **(F)** or Rear Fastened **(H)**

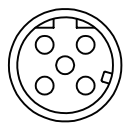
↘ M12 D-Coded (Metal Nut) > Receptacle with Wire Harness > Female Connector



Backshell: Hexagonal







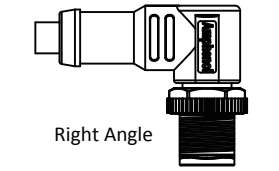
Wire Length (UL1007)*	Mounting Thread	4A/250V	4A/250V	4A/60V
150mm	PG9	M12D-03PFFC-S(8)8B15	M12D-04PFFC-S(8)8B15	M12D-05PFFC-S(8)8B15
	M16.0	M12D-03PFFC-S(8)8C15	M12D-04PFFC-S(8)8C15	M12D-05PFFC-S(8)8C15
300mm	PG9	M12D-03PFFC-S(8)8B30	M12D-04PFFC-S(8)8B30	M12D-05PFFC-S(8)8B30
	M16.0	M12D-03PFFC-S(8)8C30	M12D-04PFFC-S(8)8C30	M12D-05PFFC-S(8)8C30
500mm	PG9	M12D-03PFFC-S(8)8B50	M12D-04PFFC-S(8)8B50	M12D-05PFFC-S(8)8B50
	M16.0	M12D-03PFFC-S(8)8C50	M12D-04PFFC-S(8)8C50	M12D-05PFFC-S(8)8C50
1000mm	PG9	M12D-03PFFC-S(8)8BA0	M12D-04PFFC-S(8)8BA0	M12D-05PFFC-S(8)8BA0
	M16.0	M12D-03PFFC-S(8)8CA0	M12D-04PFFC-S(8)8CA0	M12D-05PFFC-S(8)8CA0
1500mm	PG9	M12D-03PFFC-S(8)8BA5	M12D-04PFFC-S(8)8BA5	M12D-05PFFC-S(8)8BA5
	M16.0	M12D-03PFFC-S(8)8CA5	M12D-04PFFC-S(8)8CA5	M12D-05PFFC-S(8)8CA5

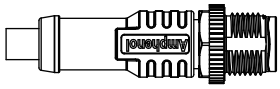
(8) Front Fastened **(F)** or Rear Fastened **(H)**

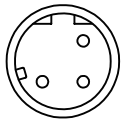
[Notes] Design and specification are subject to change without notice.

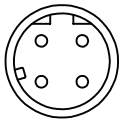
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

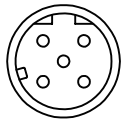
↘ M12 D-Coded (Metal Nut) > Overmolded with Cable > Male Connector







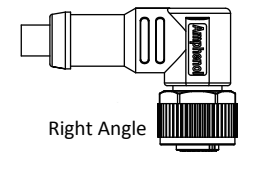


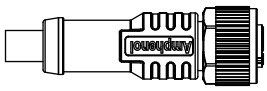


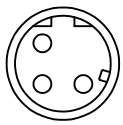
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12D-03BMMM-S8 8XXX*	M12D-04BMMM-S8 8XXX*	M12D-05BMMM-S8 8XXX*

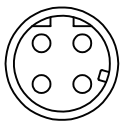
8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU(UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

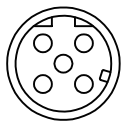
↘ M12 D-Coded (Metal Nut) > Overmolded with Cable > Female Connector







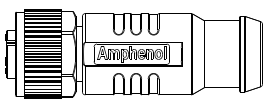


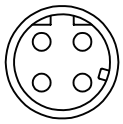


Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	M12D-03BFFM-S8 8XXX*	M12D-04BFFM-S8 8XXX*	M12D-05BFFM-S8 8XXX*

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU(UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

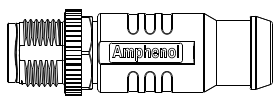
↘ M12 D-Coded (Metal Nut) > Overmolded with Cable > Female Connector

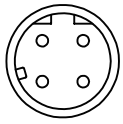




Type	4A / 250V
Without Strain Relief	MSBS-05BFFM-SL8D01

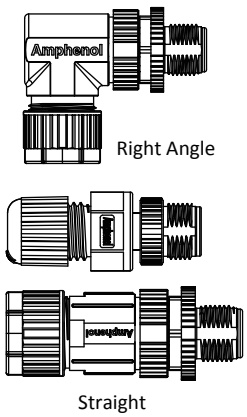
↘ M12 D-Coded (Metal Nut) > Overmolded with Cable > Male Connector





Type	4A / 250V
Without Strain Relief	MSDS-04BMMM-SL8D01

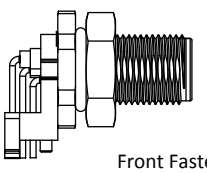
↘ M12 D-Coded (Metal Nut) > Field Installable > Male Connector



Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	12D-03BMMA-SL8001	12D-04BMMA-SL8001	12D-05BMMA-SL8001
	Screw Type	-	M12D-04BMMB-S8 7001	-

8 Right Angle **(R)** or Straight **(L)**

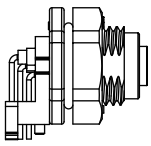
↘ M12 D-Coded (Plastic) > Receptacle > Male Connector



Backshell: Hexagonal

Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (90°)	M12	-	MSDP-04PMMR-SF8003	-

↘ M12 D-Coded (Plastic) > Receptacle > Female Connector



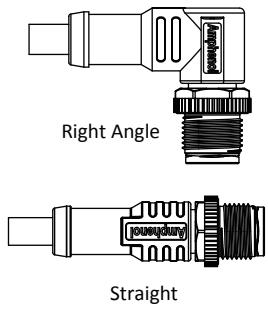
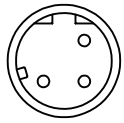
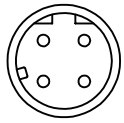
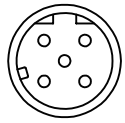
Backshell: Hexagonal

Type	Mounting Thread	4A/250V	4A/250V	4A/60V
PCB Pin (90°)	M16	-	MSDP-04PFFR-SF8002	-

[Notes] Design and specification are subject to change without notice.

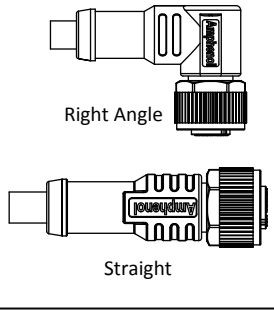
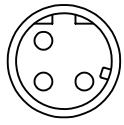
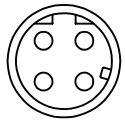
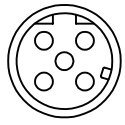
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 D-Coded (Plastic) > Overmolded with Cable > Male Connector

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSDP-03BMMM-S8 8XXX*	MSDP-04BMMM-S8 8XXX*	MSDP-05BMMM-S8 8XXX*

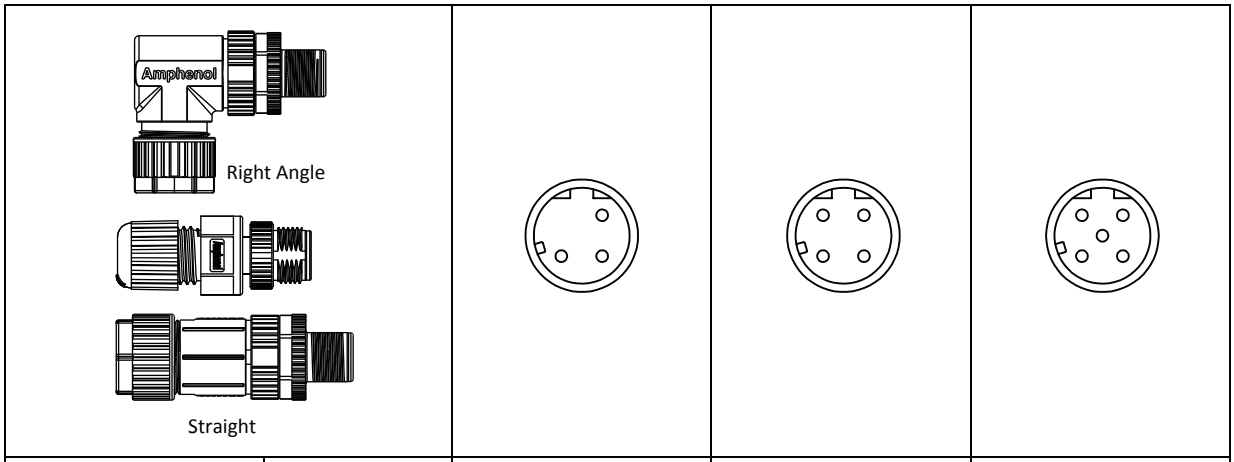
8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU(UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

↘ M12 D-Coded (Plastic) > Overmolded with Cable > Female Connector

			
Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	MSDP-03BFFM-S8 8XXX*	MSDP-04BFFM-S8 8XXX*	MSDP-05BFFM-S8 8XXX*

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length:
- PVC(UL2517 Yellow): 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU(UL20549 Black): 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

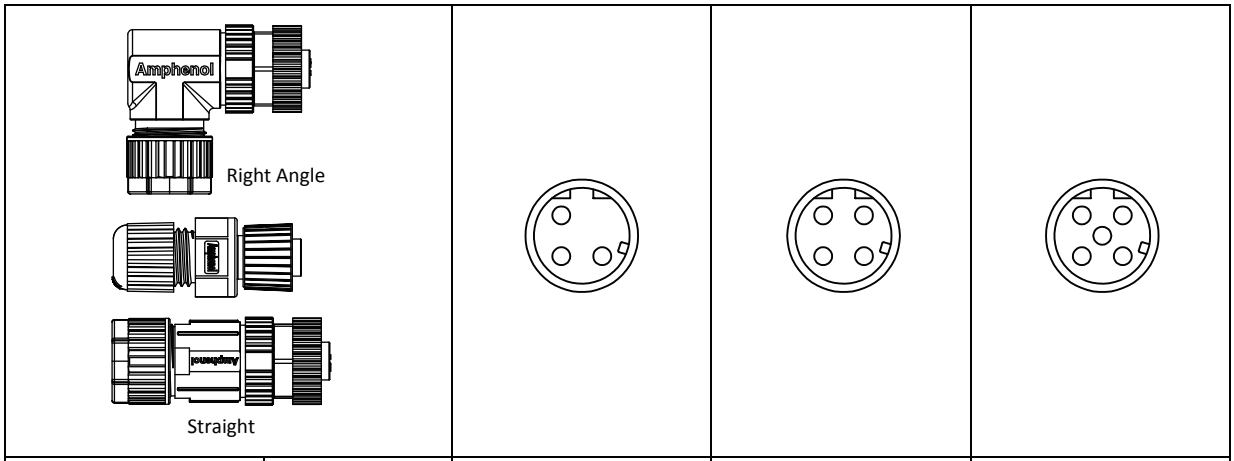
↘ M12 D-Coded (Plastic) > Field Installable > Male Connector



Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	SDP-03BMMA-SL8001	SDP-04BMMA-SL8001	SDP-05BMMA-SL8001
	Screw Type	-	MSDP-04BMMB-S8 7001	-

8 Right Angle **(R)** or Straight **(L)**

↘ M12 D-Coded (Plastic) > Field Installable > Female Connector



Type	Contact Type	4A/250V	4A/250V	4A/60V
Without Strain Relief	Solder Type	SDP-03BFFA-SL8001	SDP-04BFFA-SL8001	SDP-05BFFA-SL8001
	Screw Type	-	MSDP-04BMMB-S8 7001	-

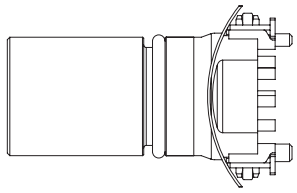
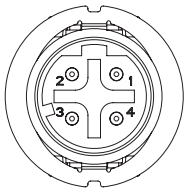
8 Right Angle **(R)** or Straight **(L)**

[Notes] Design and specification are subject to change without notice.

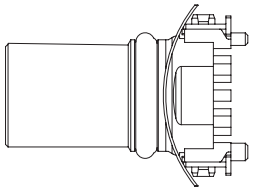
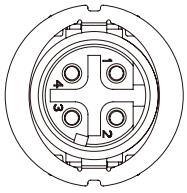
IP 65 . 67 . 68

Receptacle | Unmated
Overmolded with Cable | Mated
Field Installable | Mated

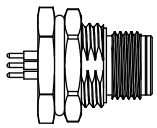
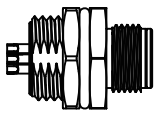
↘ M12 D-Coded (SMT) > Receptacle > Male Connector

		
Type	Mounting Thread	4A/250V
Without Strain Relief	SMT Type	MSDS-04PMMT-EE8001

↘ M12 D-Coded (SMT) > Receptacle > Female Connector

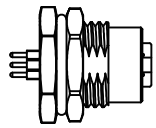
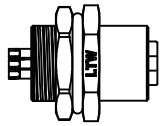
		
Type	Mounting Thread	4A/250V
Without Strain Relief	SMT Type	MSDS-04PFFT-EE8001

↘ M12 I Style (Metal) > Receptacle > Male Connector (Housing)

PCB (180°) / Front Fastened  Solder (180°) / Rear Fastened 	
Backshell: Hexagonal	Male+Female Contact
Type	4A/60V
PCB Pin (180°)	M12I-05PMIP-SF8001
	M12I-05PMIP-SF8002
Solder Pin (180°)	12-05PMIS-S 8 8001
	12-05PMIS-S 8 8002

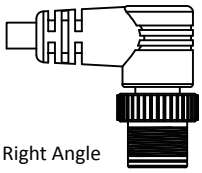
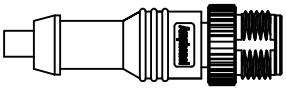
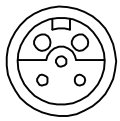
8 Front Fastened **(F)** or Rear Fastened **(H)**

↘ M12 I Style (Metal) > Receptacle > Female Connector (Housing)

PCB (180°) / Front Fastened  Solder (180°) / Rear Fastened 	
Backshell: Hexagonal	Male+Female Contact
Type	4A/60V
PCB Pin (180°)	M12I-05PFIP-SF8001
	M12I-05PFIP-SF8002
Solder Pin (180°)	12-05PFIS-S 8 8001
	12-05PFIS-S 8 8002

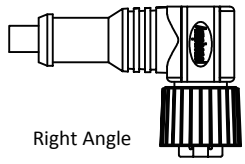
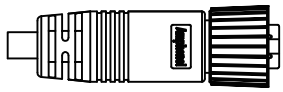
8 Front Fastened **(F)** or Rear Fastened **(H)**

↘ M12 I Style (Metal) > Overmolded with Cable > Male Connector (Housing)

Right Angle  Straight 	
	Male+Female Contact
Type	4A/60V
With Strain Relief	M12I-05AMIM-S 8 8XXX*
Without Strain Relief	M12I-05BMIM-S 8 8XXX*

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

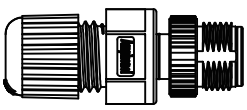
↘ M12 I Style (Metal) > Overmolded with Cable > Female Connector

Right Angle  Straight 	
	Male+Female Contact
Type	4A/60V
With Strain Relief	M12I-05AFIM-S 8 7XXX*
Without Strain Relief	M12I-05BFIM-S 8 8XXX*

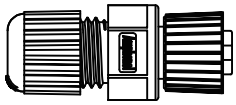
8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

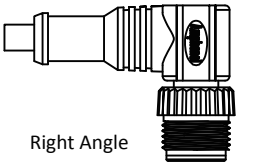
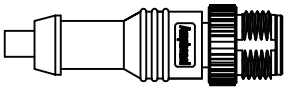
↘ M12 I Style (Metal) > Field Installable > Male Connector (Housing)

 Straight	Male+Female Contact
Type	4A/60V
Without Strain Relief	M12I-05BMIA-SL8001

↘ M12 I Style (Metal) > Field Installable > Female Connector (Housing)

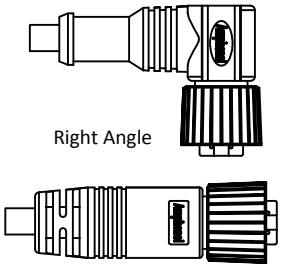
 Straight	Male+Female Contact
Type	4A/60V
Without Strain Relief	M12I-05BFIA-SL8001

↘ M12 I Style (Plastic) > Overmolded with Cable > Male Connector (Housing)

 Right Angle  Straight	Male+Female Contact
Type	4A/250V
Without Strain Relief	MSIP-05BMIM-S8**8**XXX*

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

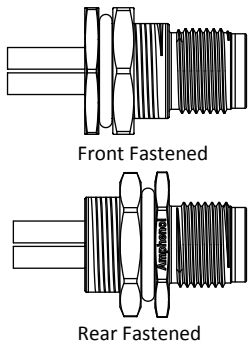
↘ M12 I Style (Plastic) > Overmolded with Cable > Female Connector (Housing)

 Right Angle Straight	Male+Female Contact
Type	4A/60V
Without Strain Relief	MSIP-05BFIM-S8**8**XXX*

8 Right Angle **(R)** or Straight **(L)**
* XXX: Choose the cable type and length
- PVC: 1M **(A01)** / 2M **(A02)** / 5M **(A05)** / 10M **(A10)**
- PU: 1M **(B01)** / 2M **(B02)** / 5M **(B05)** / 10M **(B10)**
- PVC(UL2517 Black): 1M **(D01)** / 2M **(D02)** / 5M **(D05)** / 10M **(D10)**

[Notes] Design and specification are subject to change without notice.

↘ M12 S-Coded (Metal Nut) > Receptacle with Wire Harness > Male Connector

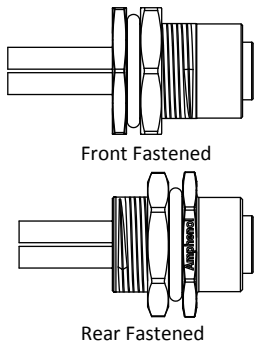


Backshell: Hexagonal

Wire Length (UL 1015)*	Mounting Thread	12A/630V
150mm	PG9	M12S-04PMMS-S8B15
	M16.0	M12S-04PMMS-S8C15
300mm	PG9	M12S-04PMMS-S8B30
	M16.0	M12S-04PMMS-S8C30
500mm	PG9	M12S-04PMMS-S8B50
	M16.0	M12S-04PMMS-S8C50
1000mm	PG9	M12S-04PMMS-S8BA0
	M16.0	M12S-04PMMS-S8CA0
1500mm	PG9	M12S-04PMMS-S8BA5
	M16.0	M12S-04PMMS-S8CA5

8 Front Fastened **(F)** or Rear Fastened **(H)**
* Other wire types are available upon request.

↘ M12 S-Coded (Metal Nut) > Receptacle with Wire Harness > Female Connector

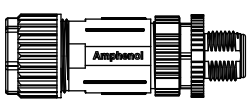


Backshell: Hexagonal

Wire Length (UL1015)*	Mounting Thread	12A/630V
150mm	PG9	M12S-04PFFS-S8B15
	M16.0	M12S-04PFFS-S8C15
300mm	PG9	M12S-04PFFS-S8B30
	M16.0	M12S-04PFFS-S8C30
500mm	PG9	M12S-04PFFS-S8B50
	M16.0	M12S-04PFFS-S8C50
1000mm	PG9	M12S-04PFFS-S8BA0
	M16.0	M12S-04PFFS-S8CA0
1500mm	PG9	M12S-04PFFS-S8BA5
	M16.0	M12S-04PFFS-S8CA5

8 Front Fastened **(F)** or Rear Fastened **(H)**
* Other wire types are available upon request.

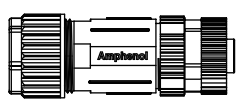
↘ M12 S-Coded (Metal Nut) > Field Installable > Male Connector



Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12S-04BMMB-SL7002

↘ M12 S-Coded (Metal Nut) > Field Installable > Female Connector

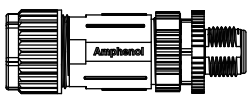


Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12S-04BFFB-SL7002

IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

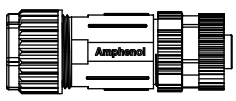
M12 S-Coded (Plastic) > Field Installable > Male Connector



Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	MSSP-04BMMB-SL7002

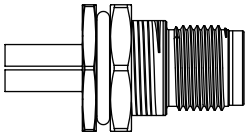
M12 S-Coded (Plastic) > Field Installable > Female Connector



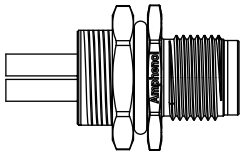
Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	MSSP-04BMMB-SL7002

M12 T-Coded (Metal Nut) > Receptacle with Wire Harness > Male Connector



Front Fastened



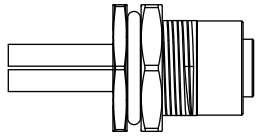
Rear Fastened

Backshell: Hexagonal

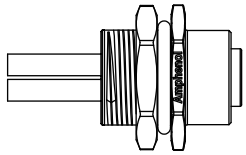
Wire Length (UL1015)*	Mounting Thread	12A/630V
150mm	PG9	M12T-04PMMS-S(8)8B15
	M16.0	M12T-04PMMS-S(8)8C15
300mm	PG9	M12T-04PMMS-S(8)8B30
	M16.0	M12T-04PMMS-S(8)8C30
500mm	PG9	M12T-04PMMS-S(8)8B50
	M16.0	M12T-04PMMS-S(8)8C50
1000mm	PG9	M12T-04PMMS-S(8)8BA0
	M16.0	M12T-04PMMS-S(8)8CA0
1500mm	PG9	M12T-04PMMS-S(8)8BA5
	M16.0	M12T-04PMMS-S(8)8CA5

(8) Front Fastened **(F)** or Rear Fastened **(H)**
* Other wire types are available upon request.

M12 T-Coded (Metal Nut) > Receptacle with Wire Harness > Female Connector



Front Fastened



Rear Fastened

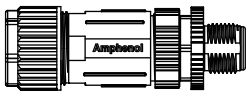
Backshell: Hexagonal

Wire Length (UL1015)*	Mounting Thread	12A/630V
150mm	PG9	M12T-04PFFS-S(8)8B15
	M16.0	M12T-04PFFS-S(8)8C15
300mm	PG9	M12T-04PFFS-S(8)8B30
	M16.0	M12T-04PFFS-S(8)8C30
500mm	PG9	M12T-04PFFS-S(8)8B50
	M16.0	M12T-04PFFS-S(8)8C50
1000mm	PG9	M12T-04PFFS-S(8)8BA0
	M16.0	M12T-04PFFS-S(8)8CA0
1500mm	PG9	M12T-04PFFS-S(8)8BA5
	M16.0	M12T-04PFFS-S(8)8CA5

(8) Front Fastened **(F)** or Rear Fastened **(H)**
* Other wire types are available upon request.

[Notes] Design and specification are subject to change without notice.

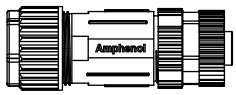
↘ M12 T-Coded (Metal Nut) > Field Installable > Male Connector



Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12T-04BMMB-SL7002

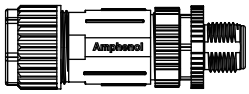
↘ M12 T-Coded (Metal Nut) > Field Installable > Female Connector



Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	M12T-04BFFB-SL7002

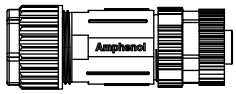
↘ M12 T-Coded (Plastic) > Field Installable > Male Connector



Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	MSTP-04BMMB-SL7002

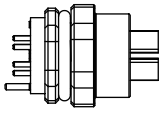
↘ M12 T-Coded (Plastic) > Field Installable > Female Connector



Straight

Type	Contact Type	12A/630V
Without Strain Relief	Screw Type	MSTP-04BFFB-SL7002

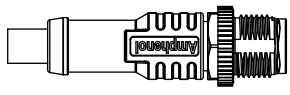
↘ M12 X-Coded (Shielded) > Receptacle > Female Connector



Front Fastened

Type	Mounting Thread	0.5A/48V
PCB Pin (180°)	M12	MSXS-08PFFP-SF7001

↘ M12 X-Coded (Shielded) > Overmolded with Cable > Male Connector



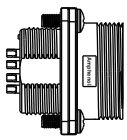
Straight

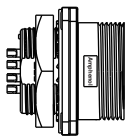
Type	0.5A/48V
Without Strain Relief	MSXS-08BMMM-SL8XXX*
Double ended cable	MSXS8ML-SXSML-SGXXXX**

* XXX: Choose the cable length:
1M **(X01)** / 2M **(X02)** / 5M **(X05)** / 10M **(X10)**
** XXXX: Choose the cable length
1M **(G010)** / 2M **(G020)** / 5M **(G050)** / 10M **(G100)**

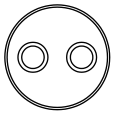
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

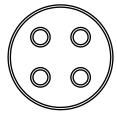
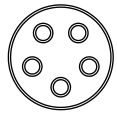
↘ Heavy Duty Shielded Connector > Receptacle > Male Connector


Front Fastened

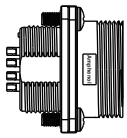

Rear Fastened

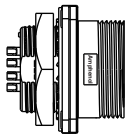
Backshell: Square
Mating style: Screw Thread
Fastened Screw: M3*4 pics
Mounting Thread: M20



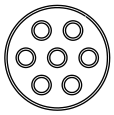
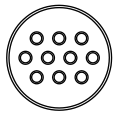
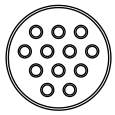
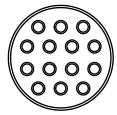



Current Rating &Voltage	Contact Type	Salt Spray Test				
5A/250V	Solder Pin / Female	48H	-	-	-	-
		500H	-	-	-	-
10A/250V		48H	-	-	LB20-04PMFS-S8001	LB20-05PMFS-S8001
		500H	-	-	HB20-04PMFS-S8001	HB20-05PMFS-S8001
20A/300V		48H	LC20-02PMFS-S8001	LC20-03PMFS-S8001	-	-
		500H	HC20-02PMFS-S8001	HC20-03PMFS-S8001	-	-


Front Fastened


Rear Fastened

Backshell: Square
Mating style: Screw Thread
Fastened Screw: M3*4 pics
Mounting Thread: M20

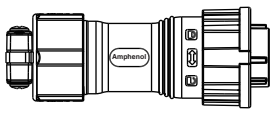





Current Rating &Voltage	Contact Type	Salt Spray Test				
5A/250V	Solder Pin / Female	48H	-	LD20-10PMFS-S8001	LD20-12PMFS-S8001	LD20-14PMFS-S8001
		500H	-	HD20-10PMFS-S8001	HD20-12PMFS-S8001	HD20-14PMFS-S8001
10A/250V		48H	LB20-07PMFS-S8001	-	-	-
		500H	HB20-07PMFS-S8001	-	-	-
20A/300V		48H	-	-	-	-
		500H	-	-	-	-

8 Front Fastened **(W)** or Rear Fastened **(N)**

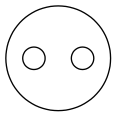
[Notes] Design and specification are subject to change without notice.

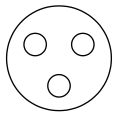
↘ Heavy Duty Shielded Connector > Field Installable > Female Connector (Housing)

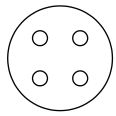


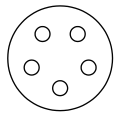
Straight

Without Strain Relief

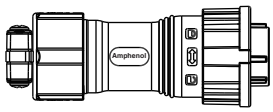






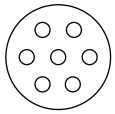


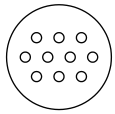
Current Rating &Voltage	Contact Type	Salt Spray Test				
5A/250V	Solder Type / Male	48H	-	-	-	-
		500H	-	-	-	-
10A/250V	Solder Type / Male	48H	-	-	LB20-04BFMA-SL8001	LB20-05BFMA-SL8001
		500H	-	-	HB20-04BFMA-SL8001	HB20-05BFMA-SL8001
20A/300V	Solder Type / Male	48H	LC20-02BFMA-SL8001	LC20-03BFMA-SL8001	-	-
		500H	HC20-02BFMA-SL8001	HC20-03BFMA-SL8001	-	-

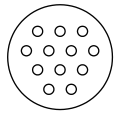


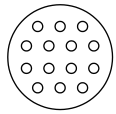
Straight

Without Strain Relief





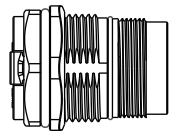


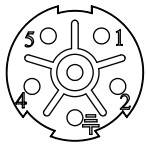


Current Rating &Voltage	Contact Type	Salt Spray Test				
5A/250V	Solder Type / Male	48H	-	LD20-10BFMA-SL8001	LD20-12BFMA-SL8001	LD20-14BFMA-SL8001
		500H	-	HD20-10BFMA-SL8001	HD20-12BFMA-SL8001	HD20-14BFMA-SL8001
10A/250V	Solder Type / Male	48H	LB20-07BFMA-SL8001	-	-	-
		500H	HB20-07BFMA-SL8001	-	-	-
20A/300V	Solder Type / Male	48H	-	-	-	-
		500H	-	-	-	-

IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M23 (Shielded) > Receptacle (Field Installable Type) > Male Connector (Housing)

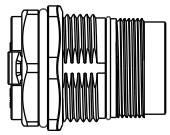




Backshell: Hexagonal

Type	Contact Gender	28A/100V
Crimp Pin	Male	LJ23-06PMMC-SF7001
		LJ23-06PMMC-SF7002

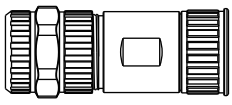
↘ M23 (Shielded) > Receptacle (Field Installable Type) > Male Connector (Housing)

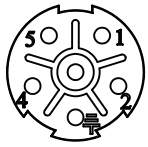


Backshell: Hexagonal

Type	Contact Gender	28A/100V
Crimp Pin	Female	LJ23-06PMFC-SF7001
		LJ23-06PMFC-SF7002

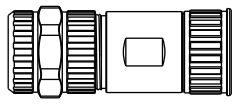
↘ M23 (Shielded) > Field Installable > Female Connector (Houseing)





Type	Contact Type	Contact Gender	12A/630V
Without Strain Relief	Crimp Pin	Male	LJ23-06DFMC-SL7001
			LJ23-06DFMC-SL7002

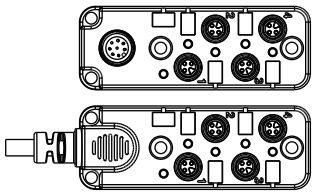
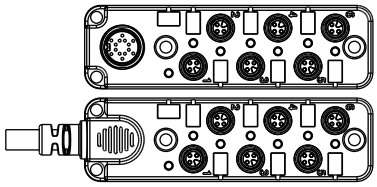
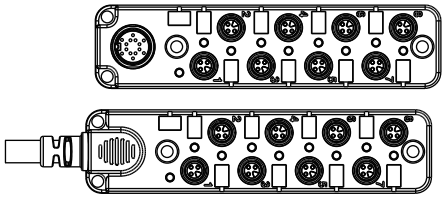
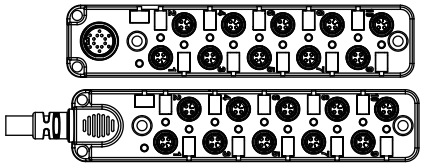
↘ M23 (Shielded) > Field Installable > Female Connector (Houseing)



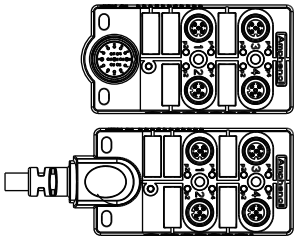
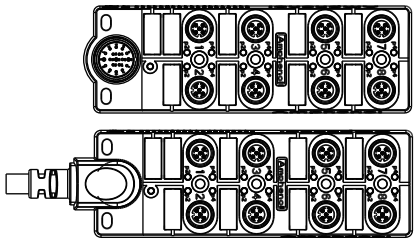
Type	Contact Type	Contact Gender	12A/630V
Without Strain Relief	Crimp Pin	Female	LJ23-06DFFC-SL7001
			LJ23-06DFFC-SL7002

[Notes] Design and specification are subject to change without notice.

↘ M8 Distribution Box > M12 / M16 Homerun

		
No of Port Type	4 Port	6 Port
Without cable	DB8-3A4M12-SPS7001	DB8-3A6M16-SPS7001
With cable	DB8-3A4CAB-SPS7BXX*	DB8-3A6CAB-SPS7BXX*
		
No of Port Type	8 Port	10 Port
Without cable	DB8-3A8M16-SPS7001	DB8-3A10M16-SPS7001
With cable	DB8-3A8CAB-SPS7BXX*	DB8-3A10CAB-SPS7BXX*

↘ M12 Distribution Box > M23 Homerun

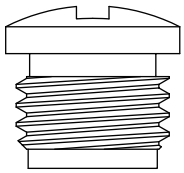
		
No of Port Type	4 Port	8 Port
Without cable	DB12-5A4M23-DPS7001	DB12-5A8M23-DPS7001
With cable	DB12-5A4CAB-DPS7BXX*	DB8-3A6CAB-SPS7BXX*

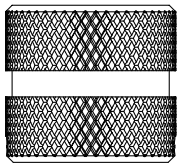
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

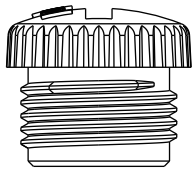
Accessories

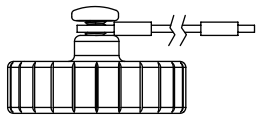
↘ Waterproof Cap

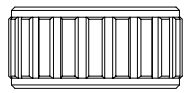
Customized – Upon Request


M8 (For Female)


M10.5 (For Male)


M12 (For Female)


M22 (For Male) / Cap With Fish Line


M23 (For Male)

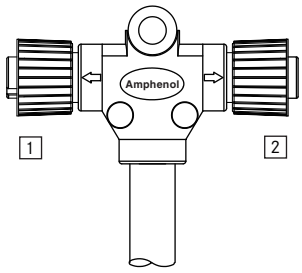
Size		Mating Pair	Mating Style	Mating Pair (Gender)	P/N
M8		Overmolded with Cable	Screw Thread	Female	CAP-WBBFSCC1
		Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBBMSMA1
				Female	CAP-WBBFSMA1
M10.5		Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBCMSMA2
M12	A/B/D/S/ T/X Code I Style	Receptacle	Screw Thread	Male	CAP-WBDMSPB⑦
		Receptacle and Overmolded with Cable		Male	CAP-WBDMSMA⑦
				Female	CAP-WBDFSMA⑦
M12 (Plastic)	A/B/D/S/ T/X Code I Style	Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBDMSMA⑦
				Female	CAP-WBDFSMA⑦
M22		Receptacle	Screw Thread	Male	CAP-WHBMSPD1
M23		Receptacle and Overmolded with Cable	Screw Thread	Male	CAP-WBHMSMA1

⑦ Choose plastic **(1)** or metal **(2)**

【Note】Design and specification are subject to change without notice.

M12 > T-Cable

Customized – Upon Request



Choose Connector / Contacts Gender:

6 For connector 1

7 For connector 2

A/B/D Code

M: Male + Male

F: Female + Female

I Style

K: Connector (Male) + Contact (Male+Female)

Z: Connector (Female) + Contact (Male+Female)

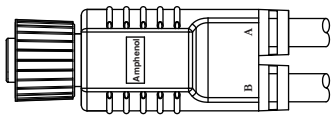
*XX: Choose the cable length:01-99 m / PVC UL2464 Cable

Type		Current Rating	Contacts 2	Mating Style	Connector 1 (Male Connector / Male Contacts) / Connector 2 (Male Connector / Male Contacts)	Connector 1 (Female Connector / Female Contacts) / Connector 2 (Female Connector / Female Contacts)	More options
M12	A Code	4A	03,04,05	Screw Thread	SS-23 00-MM0-TSAXX*	SS-23 00-FF0-TSAXX*	SS-23 00-67 0-TSAXX*
		2A	08		SS-080800-MM0-TSAXX*	SS-080800-FF0-TSAXX*	SS-080800-67 0-TSAXX*
	B Code	4A	04,05		SB-23 00-MM0-TSAXX*	SB-23 00-FF0-TSAXX*	SB-23 00-67 0-TSAXX*
	D Code	4A	04,05		SD-23 00-MM0-TSAXX*	SD-23 00-FF0-TSAXX*	SD-23 00-67 0-TSAXX*
	I Style	4A	05		SI-050500-KK0-TSAXX*	SI-050500-ZZ0-TSAXX*	SI-050500-67 0-TSAXX*
M12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS-23 00-MM0-TSAXX*	PS-23 00-FF0-TSAXX*	PS-23 00-67 0-TSAXX*
		2A	08		PS-080800-MM0-TSAXX*	PS-080800-FF0-TSAXX*	PS-080800-67 0-TSAXX*
	B Code	4A	04,05		PB-23 00-MM0-TSAXX*	PB-23 00-FF0-TSAXX*	PB-23 00-67 0-TSAXX*
	D Code	4A	04,05		PD-23 00-MM0-TSAXX*	PD-23 00-FF0-TSAXX*	PD-23 00-67 0-TSAXX*
	I Style	4A	05		PI-050500-KK0-TSAXX*	PI-050500-ZZ0-TSAXX*	PI-050500-67 0-TSAXX*

IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 > Y-Cable

Customized – Upon Request

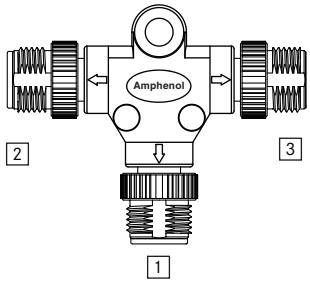


*XX: Choose the cable length:01-99 m / PVC UL2464 Cable

Type		Current Rating	Contacts ②	Mating Style	Connector (Male Connector / Male Contacts)	Connector (Female Connector / Female Contacts)
M12	A Code	4A	03,04,05	Screw Thread	SS- ② 0000-M00-YSB*	SS- ② 0000-F00-YSB*
		2A	08	Screw Thread	SS-080000-M00-YSB*	SS-080000-F00-YSB*
	B Code	4A	04,05	Screw Thread	SB- ② 0000-M00-YSB*	SB- ② 0000-F00-YSB*
	D Code	4A	04,05	Screw Thread	SD- ② 0000-M00-YSB*	SD- ② 0000-F00-YSB*
	I Style	4A	05	Screw Thread	SI-050000-K00-YSB*	SI-050000-Z00-YSB*

↘ M12 > T-Adaptor

Customized – Upon Request



Choose Connector / Contacts Gender:

- 5 For connector 1
- 6 For connector 2
- 7 For connector 3

A/B/D Code

M: Male + Male

F: Female + Female

I Style

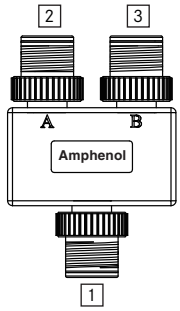
K: Connector (Male) + Contact (Male+Female)

Z: Connector (Female) + Contact (Male+Female)

Type		Current Rating	Contacts ②	Mating Style	Connector 1 (Male Connector / Male Contacts)	Connector 1 (Female Connector / Female Contacts)	More options
					Connector 2 (Male Connector / Male Contacts)	Connector 2 (Female Connector / Female Contacts)	
					Connector 3 (Male Connector / Male Contacts)	Connector 3 (Female Connector / Female Contacts)	
M12	A Code	4A	03,04,05	Screw Thread	SS-②②② -MMM-TS001	SS-②②② -FFF-TS001	SS-②②② -⑤⑥⑦-TS001
		2A	08	Screw Thread	SS-080808-MMM-TS001	SS-080808-FFF-TS001	SS-080808-⑤⑥⑦ -TS001
	B Code	4A	04,05	Screw Thread	SB-②②② -MMM-TS001	SB-②②② -FFF-TS001	SB-②②② -⑤⑥⑦ -TS001
	D Code	4A	04,05	Screw Thread	SD-②②② -MMM-TS001	SD-②②② -FFF-TS001	SD-②②② -⑤⑥⑦-TS001
	I Style	4A	05	Screw Thread	SI-050505-KKK-TS001	SI-050505-ZZZ-TS001	SI-050505-⑤⑥⑦ -TS001
M12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS-②②② -MMM-TS001	PS-②②② -FFF-TS001	PS-②②② -⑤⑥⑦-TS001
		2A	08	Screw Thread	PS-080808-MMM-TS001	PS-080808-FFF-TS001	PS-080808-⑤⑥⑦ -TS001
	B Code	4A	04,05	Screw Thread	PB-②②② -MMM-TS001	PB-②②② -FFF-TS001	PB-②②② -⑤⑥⑦-TS001
	D Code	4A	04,05	Screw Thread	PD-②②② -MMM-TS001	PD-②②② -FFF-TS001	PD-②②② -⑤⑥⑦-TS001
	I Style	4A	05	Screw Thread	PI-050505-KKK-TS001	PI-050505-ZZZ-TS001	PI-050505-⑤⑥⑦ -TS001

↘ M12 > Y-Adaptor

Customized – Upon Request



Choose Connector / Contacts Gender:

- 5 For connector 1
- 6 For connector 2
- 7 For connector 3

A/B/D Code

M: Male + Male

F: Female + Female

I Style

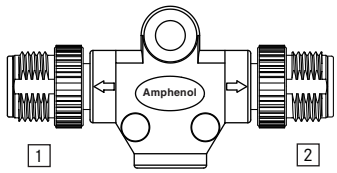
K: Connector (Male) + Contact (Male+Female)

Z: Connector (Female) + Contact (Male+Female)

Type		Current Rating	Contacts ②	Mating Style	Connector 1 (Male Connector / Male Contacts) Connector 2 (Male Connector / Male Contacts) Connector 3 (Male Connector / Male Contacts)	Connector 1 (Female Connector / Female Contacts) Connector 2 (Female Connector / Female Contacts) Connector 3 (Female Connector / Female Contacts)	More options
M12	A Code	4A	03,04,05	Screw Thread	SS-②②②-MMM-YS001	SS-②②②-FFF-YS001	SS-②②②-⑤⑥⑦-YS001
		2A	08	Screw Thread	SS-080808-MMM-YS001	SS-080808-FFF-YS001	SS-080808-⑤⑥⑦-YS001
	B Code	4A	04,05	Screw Thread	SB-②②②-MMM-YS001	SB-②②②-FFF-YS001	SB-②②②-⑤⑥⑦-YS001
	D Code	4A	04,05	Screw Thread	SD-②②②-MMM-YS001	SD-②②②-FFF-YS001	SD-②②②-⑤⑥⑦-YS001
	I Style	4A	05	Screw Thread	SI-050505-KKK-YS001	SI-050505-ZZZ-YS001	SI-050505-⑤⑥⑦-YS001
M12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS-②②②-MMM-YS001	PS-②②②-FFF-YS001	PS-②②②-⑤⑥⑦-YS001
		2A	08	Screw Thread	PS-080808-MMM-YS001	PS-080808-FFF-YS001	PS-080808-⑤⑥⑦-YS001
	B Code	4A	04,05	Screw Thread	PB-②②②-MMM-YS001	PB-②②②-FFF-YS001	PB-②②②-⑤⑥⑦-YS001
	D Code	4A	04,05	Screw Thread	PD-②②②-MMM-YS001	PD-②②②-FFF-YS001	PD-②②②-⑤⑥⑦-YS001
	I Style	4A	05	Screw Thread	PI-050505-KKK-YS001	PI-050505-ZZZ-YS001	PI-050505-⑤⑥⑦-YS001

↘ M12 > I-Adaptor

Customized – Upon Request



Choose Connector / Contacts Gender:

6 For connector 1

7 For connector 2

A/B/D Code

M: Male + Male

F: Female + Female

I Style

K: Connector (Male) + Contact (Male+Female)

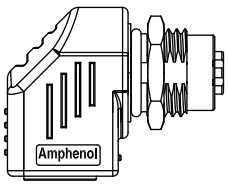
Z: Connector (Female) + Contact (Male+Female)

Type		Current Rating	Contacts 3	Mating Style	Connector 1 (Male Connector / Male Contacts) Connector 2 (Male Connector / Male Contacts)	Connector 1 (Female Connector / Female Contacts) Connector 2 (Female Connector / Female Contacts)	More options
M12	A Code	4A	03,04,05	Screw Thread	SS-00 3 3 -0MM-IS001	SS-00 3 3 -0FF-IS001	SS-00 3 3 -0 6 7 -IS001
		2A	08	Screw Thread	SS-000808-0MM-IS001	SS-000808-0FF-IS001	SS-000808-0 6 7 -IS001
	B Code	4A	04,05	Screw Thread	SB-00 3 3 -0MM-IS001	SB-00 3 3 -0FF-IS001	SB-00 3 3 -0 6 7 -IS001
	D Code	4A	04,05	Screw Thread	SD-00 3 3 -0MM-IS001	SD-00 3 3 -0FF-IS001	SD-00 3 3 -0 6 7 -IS001
	I Style	4A	05	Screw Thread	SI-000505-0KK-IS001	SI-000505-0ZZ-IS001	SI-000505-0KZ-IS001 SI-000505-0ZK-IS001
M12 (Plastic)	A Code	4A	03,04,05	Screw Thread	PS-00 3 3 -0MM-IS001	PS-00 3 3 -0FF-IS001	PS-00 3 3 -0 6 7 -IS001
		2A	08	Screw Thread	PS-000808-0MM-IS001	PS-000808-0FF-IS001	PS-000808-0 6 7 -IS001
	B Code	4A	04,05	Screw Thread	PB-00 3 3 -0MM-IS001	PB-00 3 3 -0FF-IS001	PB-00 3 3 -0 6 7 -IS001
	D Code	4A	04,05	Screw Thread	PD-00 3 3 -0MM-IS001	PD-00 3 3 -0FF-IS001	PD-00 3 3 -0 6 7 -IS001
	I Style	4A	05	Screw Thread	PI-000505-0KK-IS001	PI-000505-0ZZ-IS001	PI-000505-0KZ-IS001 PI-000505-0ZK-IS001

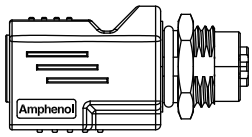
IP 65 . 67 . 68
Receptacle I Unmated
Overmolded with Cable I Mated
Field Installable I Mated

↘ M12 > M12 to RJ45 Adaptor

■ Customized – Upon Request



Right Angle

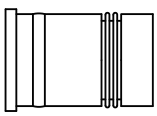


Straight

Connector 1					Connector 2		P/ N
Type	Contacts	Gender (Housing / Contact)	Connector Body	Mating Style	Type	Gender	
M12 D Code	04	FF	Right Angleor Straig	Screw Thread	RJ 45 Shielded	Jack	RJS-12D04FF-RS8001 RJS-12D04FF-LS8001
		MM					RJS-12D04FM-RS8001 RJS-12D04FM-LS8001

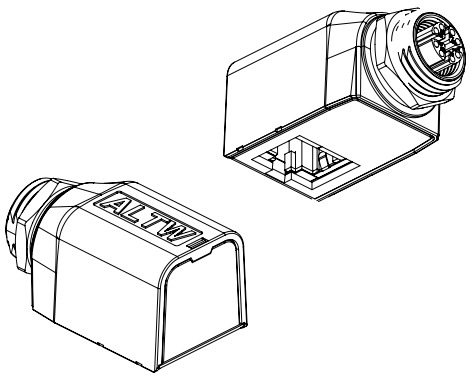
↘ M12 > Insert

■ Customized – Upon Request

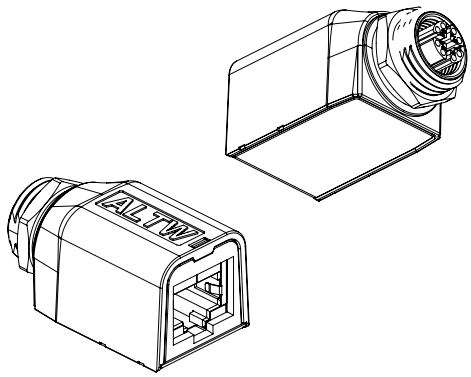


Type ❷	Contacts ❸	P/N
M12 A Code(A)	004,005,008	SLD-❷❸001
M12 B Code(B)	004,005	
M12 D Code(D)	004,005	
M12 I Style(I)	0'05	

↘ M12 > M12 to RJ45 Adaptor



Angled



Straight

Connector 2					Connector 2		P/N
Type	Contacts	Gender (Housing/Contact)	Connector Body	Mating Style	Type	Gender	
M12 X Code	8	FF	Right Angled or Straight	Screw Thread	RJ 45 Shielded	Jack	Straight: RJS-12X08FF-LS7001 Angled: RJS-12X08FF-RS7001

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

M85049/111S40KW20-6D M85049/114S20TN10-6D M81714/63-22F-LC M85049/112S14TN03-6D
M85049/112S24KW13-6D M85049/115S21KW10-6D M85049/117S13TW05-6D M85049/109S18TW05-6D
M85049/117S17TW07-6D M85049/115S19TN08-6D M85049/117S11TN01-6D M85049/112S16TW05-6D
M85049/117S19KW08-6D M85049/109S32KN16-6D M85049/117S13KW05-6D M85049/109S16TN04-6D
M85049/114S18TW08-6D M85049/112S12TW01-6D M85049/109S20KW07-6D M85049/117S21TN10-6D
M85049/112S22KN12-6D M85049/109S24KN14-6D M85049/109S24TW12-6D M85049/115S13TN05-6D
M85049/109S08TW01-6D M85049/111S12KW01-6D M85049/115S15KN07-6D M85049/115S19KN08-6D
M85049/114S10TN01-6D M85049/112S22TN12-6D M85049/112S22TW12-6D M85049/115S19TW08-6D
M85049/114S22KW11-6D M85049/111S16KN05-6D M85049/117S21TW10-6D M85049/111S36TN17-6D
M85049/109S40KN19-6D M85049/115S11KN02-6D M85049/115S21TW10-6D M85049/112S24TN13-6D
M85049/114S14KW07-6D M85049/111S20TW11-6D M85049/114S20KN10-6D M85049/111S44KN23-6D
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