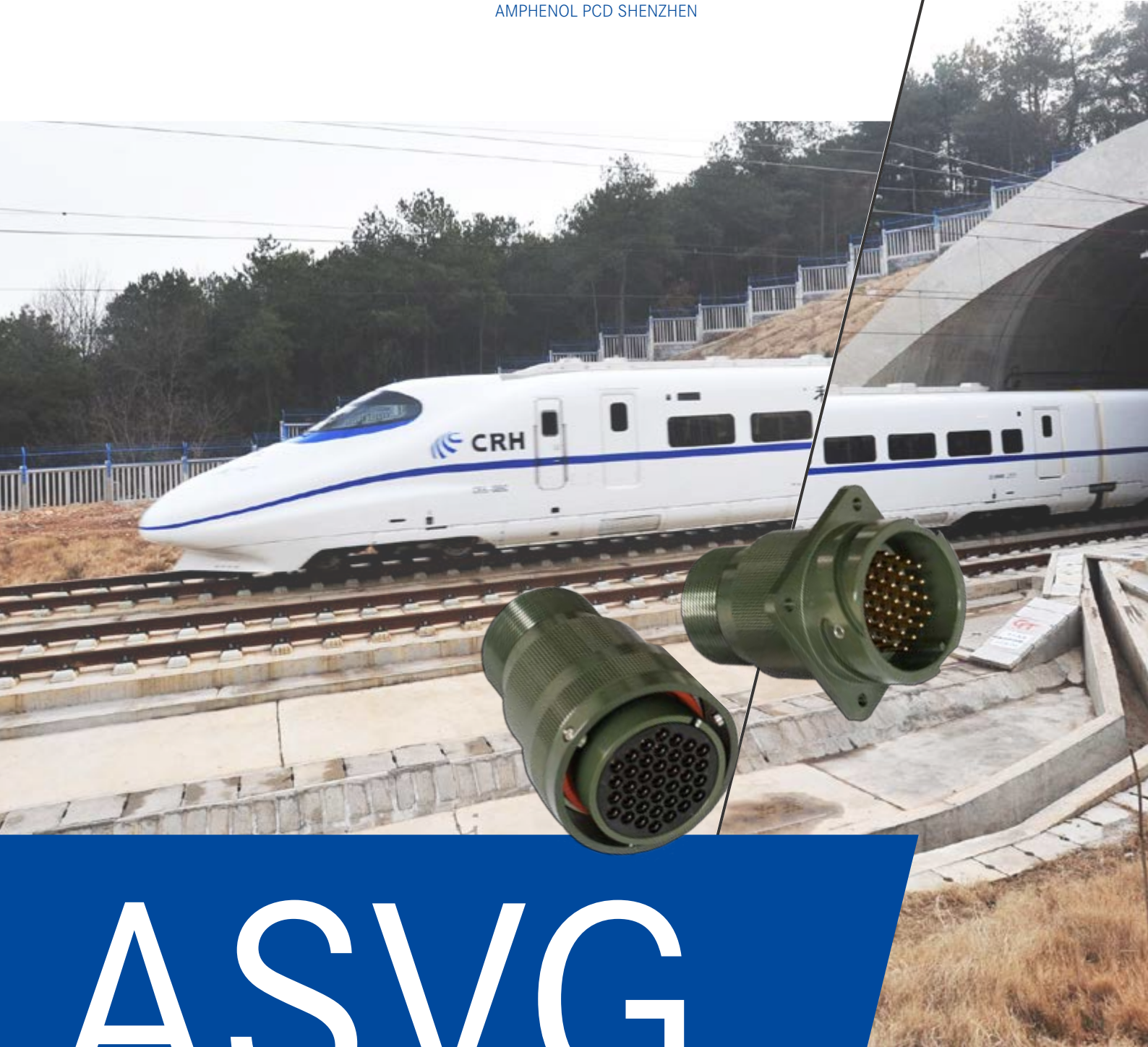




ASVG

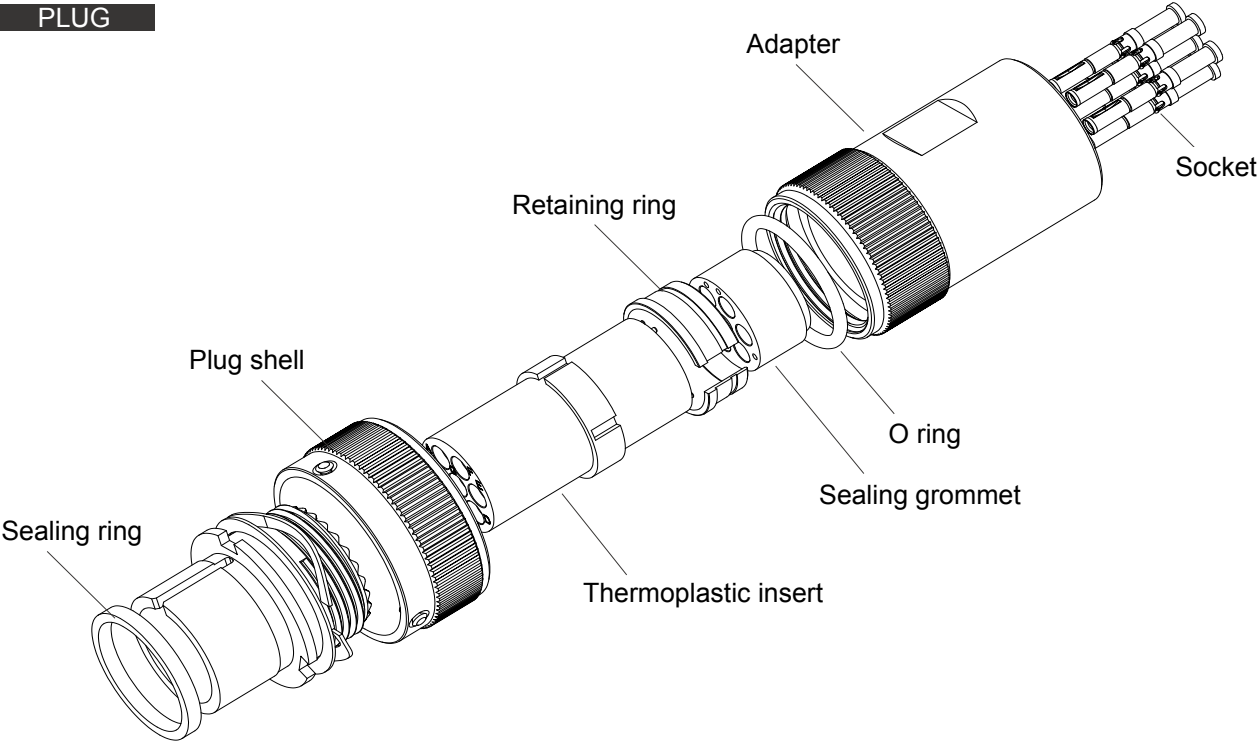
MS5015 Reverse bayonet connector

CONTENT

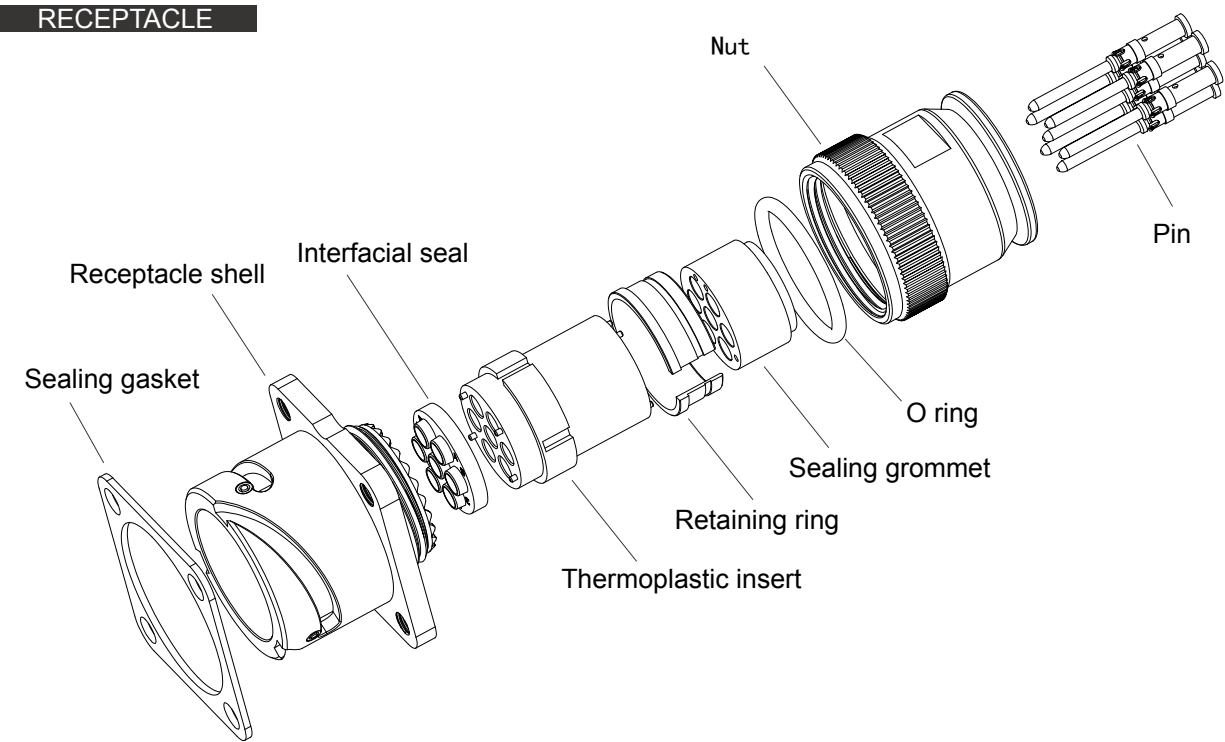
CONNECTOR STRUCTURE.....	2
PRODUCT INTRODUCTION....	3
TECHNICAL CHARACTERISTICS	4
INSERT ARRANGEMENT.....	5
HOW TO ORDER.....	8
ALTERNATE POSITIONS.....	9
ASVG02A / ASVG020A.....	10
ASVG03F / ASVG030F.....	11
ASVG03RS / ASVG030RS.....	12
ASVG03SF / ASVG030SF.....	13
ASVG03A / ASVG030A / ASVG03R / ASVG030R	14
ASVG06F	15
ASVG06SF	16
ASVG06RS	17
ASVG06R / ASVG06R	18
ASVG08F	19
ASVG08A / ASVG08R	20
CONTACTS	21
MOUNTING DIMENSIONS & SEALING PLUGS	23
DUST CAPS	24
TOOLS	25
TORQUE.....	26

CONNECTOR STRUCTURE

PLUG



RECEPTACLE





ASVG series has been designed in accordance with the MS5015 specification. This connector is an enhanced version of the MS5015 standard connector but remains completely intermateable with the MS5015 reverse bayonet connectors.

- In conformity with the French railways standard NFF 61030.
- The insulator is in hard thermoplastic, classified UL94V0. It is also in conformity with R22(HL3) according to DIN EN45445 : 2013.
- An interfacial silicon seal is present on the male inserts to extend the creepage distance and to have better sealing when the connector is mated.
- No tools are needed to insert contacts into the insulator. An extraction tool is available to extract the contacts. The tool is engaged by the front face of the connector and the contacts are rear released.
- Contacts are crimped thanks to very common crimping tools.
- The connector is rated IP67 when mated and used with suitable accessories, a grommet or a sealed backshell.
- Offering a variety of additional insert arrangements not described in the MS5015.

The ASVG series offers high reliability and performance for common applications including RMT as well as propulsion technologies, machine tools, measurement and robotics.



KEY FEATURES

MS5015 Reverse bayonet connector

Conforming with the French Railway standard NFF 61030

High density of insert arrangement

Alternate insert position

Sealing, IP67 (mated and used with backshell and grommet)

MECHANICAL

Durability	≥ 500 mating cycles
Vibration & shock	IEC 61373-1999 (GB/T 21563-2008)
Contact retention force	#16: 70N #12: 90N #8: 110N #4: 150N #0: 200N

ELECTRICAL

Rated current	#16: 13A max #12: 23A max #8 (normal): 46A max #8 (Radsok): 70A max #4: 80A max #0: 150A max
Rated voltage	Comforming with MS5015, please refer to p.5 and p.6
Contact resistance	#16: 2.5mΩ max #12: 1.3mΩ max #8: 0.9mΩ max #4: 0.5mΩ max #0: 0.3mΩ max
Insulator resistance	≥ 5000MΩ
Temperature rise	≤ 60°C

ENVIRONMENTAL

Temperature range	-55°C to 125°C
Humidity	90% to 95% (40±2°C)
Sealing	DIN EN 60529, IP67
Inflammability	EN 45545-2 - R22
Salt spray	48h (nickel plating) 96h (zinc plating) 200h (anodized plating) 500h (Si-Ni conductive plating)

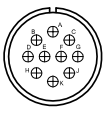
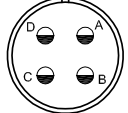
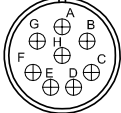
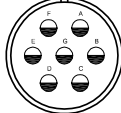
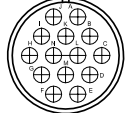
MATERIAL

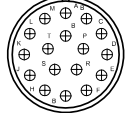
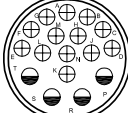
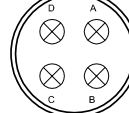
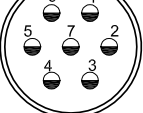
Shell	Alu.alloy, zinc or nickel or anodized or Si-Ni conductive plating
Inserts	Thermoplastic
Sealing gasket	Silicon rubber
Contact	Copper alloy, silver or gold plating

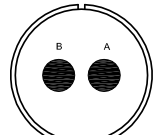
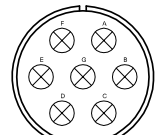
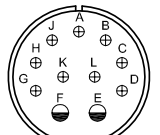
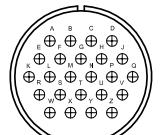
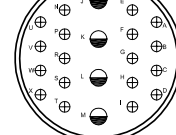
INSERT ARRANGEMENT

Contacts     
16 12 8 4 0

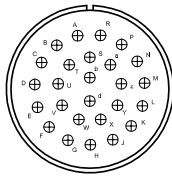
							
Insert arrangement	14S-A5	14S-6	14S-9	16S-1	16-9	18-1	18-11
Rated voltage	200V AC	200V AC	500V AC	500V AC	500V AC	500V AC	200V AC
Rated current	13A	13A	13A	13A	13A, 23A	13A	23A
Number of contacts	5	6	2	7	2X #16, 2X #12	10	5
Contact size	#16	#16	#16	#16	#16, #12	#16	#12
Withstanding voltage	1000V	1000V	2000V	2000V	2000V	2000V	1000V

					
Insert arrangement	18-19	20-4	20-7	20-15	20-27
Rated voltage	500V AC	900V AC	500V AC	500V AC	500V AC
Rated current	13A	23A	13A	23A	16A
Number of contacts	10	4	8	7	14
Contact size	#16	#12	#16	#12	#16
Withstanding voltage	2000V	2800V	2000V	2000V	2000V

					
Insert arrangement	20-29	22-14	22-A17	22-22	24-2
Rated voltage	500V AC	500V AC	500V AC	500V AC	900V AC
Rated current	16A	13A	13A, 23A	46A	23A
Number of contacts	17	19	13X #16, 4X #12	4X #8	7
Contact size	#16	#16	#16, #12	#8	#12
Withstanding voltage	2000V	2000V	2000V	2000V	2800V

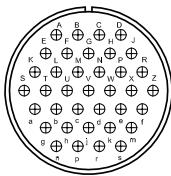
					
Insert arrangement	24-9	24-10	24-20	24-28	28-11
Rated voltage	500V AC	500V AC	900V AC	500V AC	500V AC
Rated current	80A	46A	13A, 23A	13A	13A, 23A
Number of contacts	2	7	9X #16, 2X #12	24	18X #16, 4X #12
Contact size	#4	#8	#16, #12	#16	#16, #12
Withstanding voltage	2000V	2000V	2800V	2000V	2000V

INSERT ARRANGEMENT

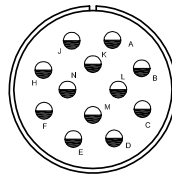


Insert arrangement
Rated voltage
Rated current
Number of contacts
Contact size
Withstanding voltage

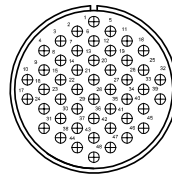
28-12
500V AC
13A
26
#16
2000V



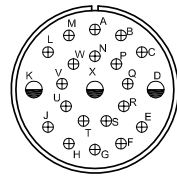
28-21
500V AC
13A
37
#16
2000V



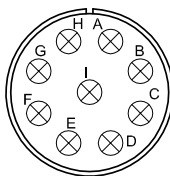
28-51
900V AC
23A
12
#12
2800V



28-48
500V AC
13A
48
#16
2000V

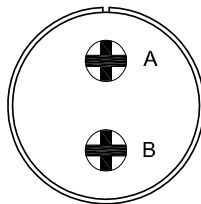


28-A63
500V AC
13A,23A
19X #16,3X #12
#16,#12
2000V

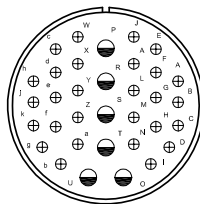


Insert arrangement
Rated voltage
Rated current
Number of contacts
Contact size
Withstanding voltage

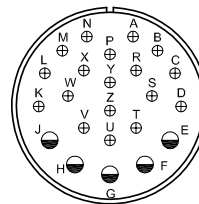
28-84
500V AC
46A
9X #8
#8
2000V



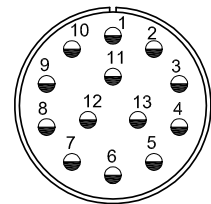
32-5
900V AC
150A
2
#0
2800V



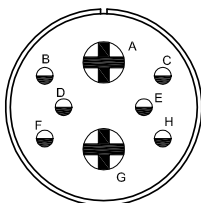
32-A7
500V AC
13A,23A
28X #16,6X #12
#16,#12
2000V



32-13
900V AC
13A,23A
18X #16,5X #12
#16,#12
2800V

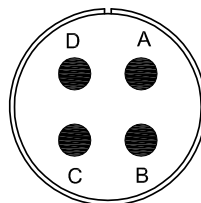


32-013
900V AC
23A
13X #12
#12
2800V

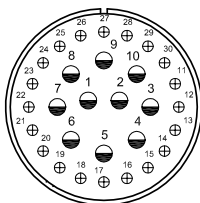


Insert arrangement
Rated voltage
Rated current
Number of contacts
Contact size
Withstanding voltage

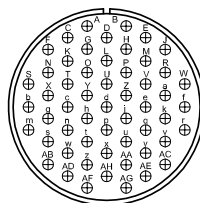
32-15
900V AC
23A,150A
6X #12,2X #0
#12,#0
2800V



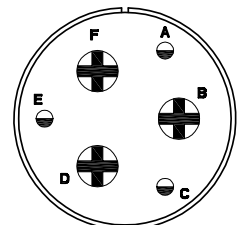
32-17
900V AC
70A
4
#4
2800V



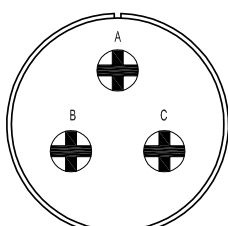
32-A30
500V AC
13A,23A
20X #16,10X #12
#16,#12
2000V



32-A55
500V AC
13A
55X #165
#165
2000V

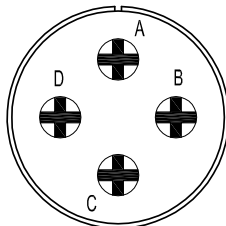


36-3
900V AC
23A,150A
3X #12,3X #0
#12,#0
2800V

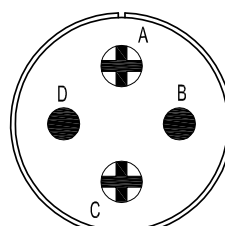


Insert arrangement
Rated voltage
Rated current
Number of contacts
Contact size
Withstanding voltage

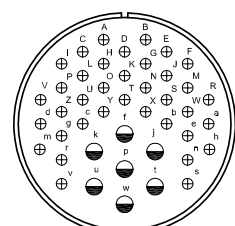
36-4
500V AC
150A
3
#0
2000V



36-5
500V AC
150A
4
#0
2000V

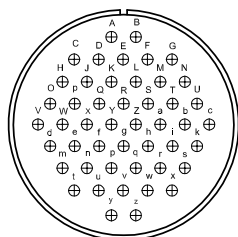


36-A6
500V AC
70A,150A
2X #4,2X #0
#4,#0
2000V



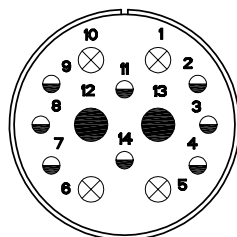
36-A7
500V AC
13A,23A
37X #16,7X #12
#16,#12
2000V

INSERT ARRANGEMENT

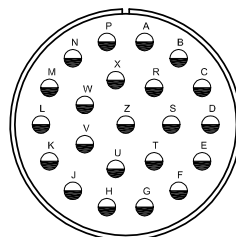


Insert arrangement
Rated voltage
Rated current
Number of contacts
Contact size
Withstanding voltage

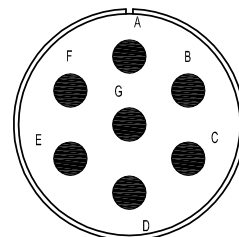
36-10
500V AC
13A
48
#16
2000V



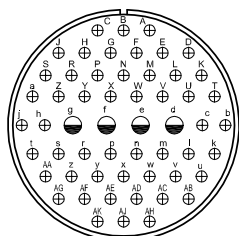
36-A14
500V
23A, 46A, 80A
8X #12, 4X #8, 2X #4
#12, #8, #4
2000V



36-22
900V AC
23A
22
#12
2800V

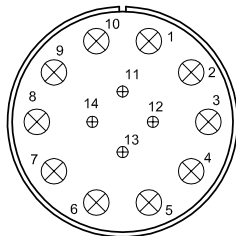


36-77
900V AC
70A
7
#4
2800V

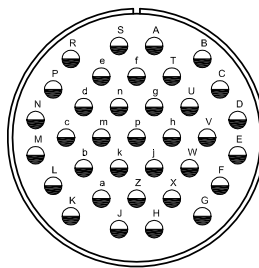


Insert arrangement
Rated voltage
Rated current
Number of contacts
Contact size
Withstanding voltage

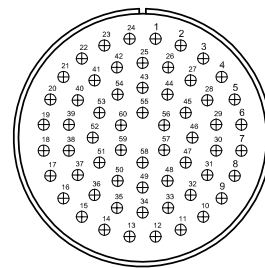
36-66
500V AC
16A, 23A
52X #16, 4X #12
#16, #12
2000V



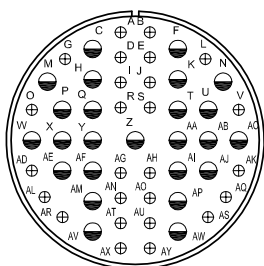
36-A78
500V
13A, 46A
4X #16, 10X #8
#16, #8
2000V



40-35
900V AC
23A
35
#12
2800V



40-53
500V AC
13A
60
#16
2000V



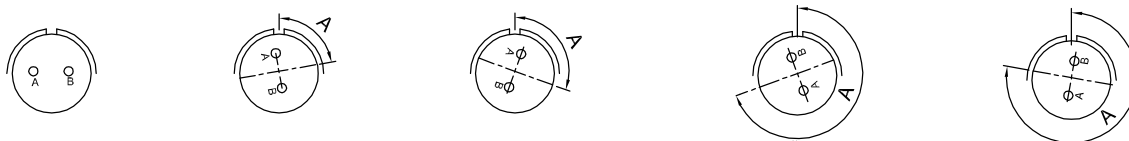
Insert arrangement
Rated voltage
Rated current
Number of contacts
Contact size
Withstanding voltage

40-951
500V
13A, 23A
26X #16, 25X #12
#16, #12
2000V

HOW TO ORDER

	ASVG	RM	03	R	18	19	PC	X	/
Box mounted receptacle: RM: Rear panel mount receptacle Omit: Front panel mount receptacle									
Connector type: 02: Box mounted receptacle, <i>for thread mounting holes</i> 020: Box mounted receptacle, <i>through mounting holes</i> 03: Box mounted receptacle with backshell, <i>for thread mounting holes</i> 030: Box mounted receptacle with backshell, <i>through mounting holes</i> 06: Straight plug 08: R/A plug									
Connector service class: R: With backshell and sealing gromet A: With backshell, without sealing gromet F: With cable clamp SF: With external scew thread RS: With sealing gromet									
Shell size: 14S, 16S, 18, 20, 22, 24, 28, 32, 36, 40									
Insert arrangement, please refer to Page 5 to 7									
Contact type: PC: Pin, crimp SC: Socket, crimp									
Alternate insert position: Omit: Standard position W: Please refer to Page 9 X: Please refer to Page 9 Y: Please refer to Page 9 Z: Please refer to Page 9									
Plating: Omit: Black zinc NI: Nickel GZ: Olive drab zinc BA: Black hard anodized ZN: Sn-nickel									

ALTERNATE INSERT POSITION



Standard position

Position W

Position X

Position Y

Position Z

Diagrams show front face of pin insert or rear of socket insert

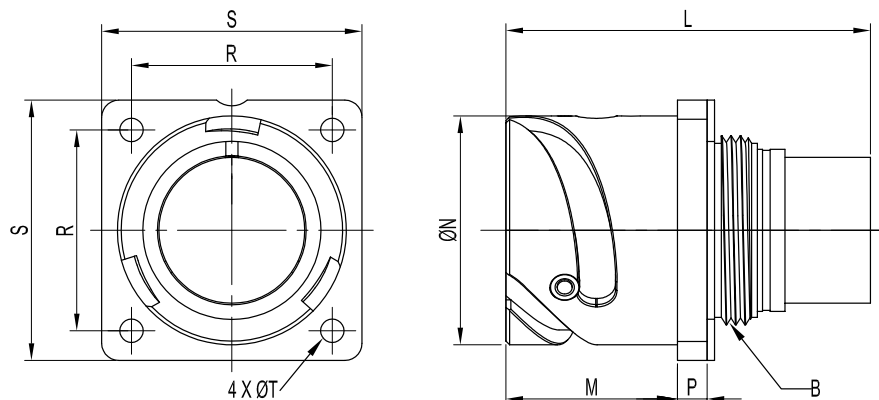
Insert arrangement	Degrees for alternate position			
	W	X	Y	Z
14S-A5	-	110	-	-
14S-6	-	110	-	-
14S-9	70	145	215	290
16S-1	80	-	-	280
16-9	35	110	250	325
18-1	70	145	215	290
18-11	-	170	265	-
18-19	-	120	240	-
20-3	70	145	215	290
20-4	45	110	250	-
20-7	80	110	250	280
20-15	80	-	-	280
20-27	35	110	250	325
20-29	80	-	-	280
22-14	80	-	-	280
22-A17	80	110	250	280
22-22	-	110	250	-
24-2	80	-	-	280
24-9	35	110	250	325
24-10	80	-	-	280
24-20	80	110	250	280
24-28	80	110	250	280
28-11	80	110	250	280
28-12	90	180	270	-
28-21	80	110	250	280
28-48	80	110	250	280
28-51	80	135	190	-
28-A63	-	100	260	-
28-84	45	90	135	157
32-5	80	110	250	325
32-A7	80	125	235	280
32-013	65	130	230	295
32-13	80	110	250	280
32-15	35	110	250	280
32-17	45	110	250	-
32-A30	90	180	-	-
32-A55	80	110	250	280
36-3	70	145	215	290
36-4	70	145	215	290
36-5	-	120	240	-
36-A6	35	110	250	325
36-A7	80	110	250	280
36-10	80	125	235	280
36-A14	35	110	250	325
36-22	80	110	250	280
36-77	45	90	-	-
40-35	70	130	230	290
40-53	80	110	250	280
36-66	110	250	260	280
36-A78	90	-	-	-
40-951	90	105	-	-

ASVG02A ASVG020A

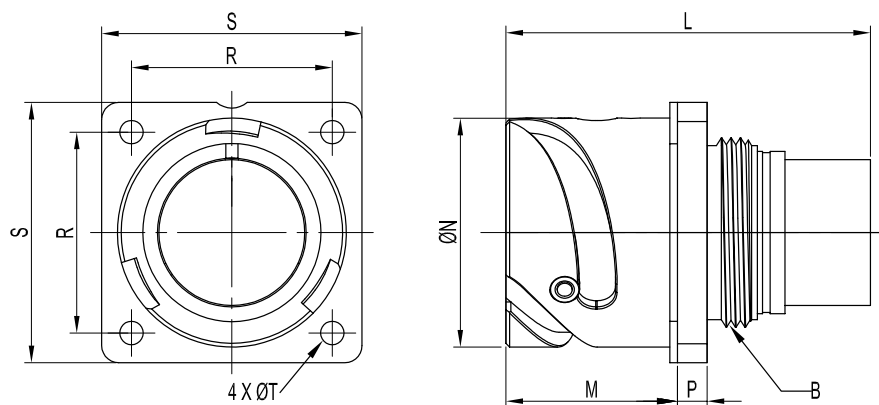
BOX MOUNTED RECEPTACLE

ASVG02A / ASVG020A - With threaded shell to accept backshell

FRONT MOUNTED



REAR MOUNTED

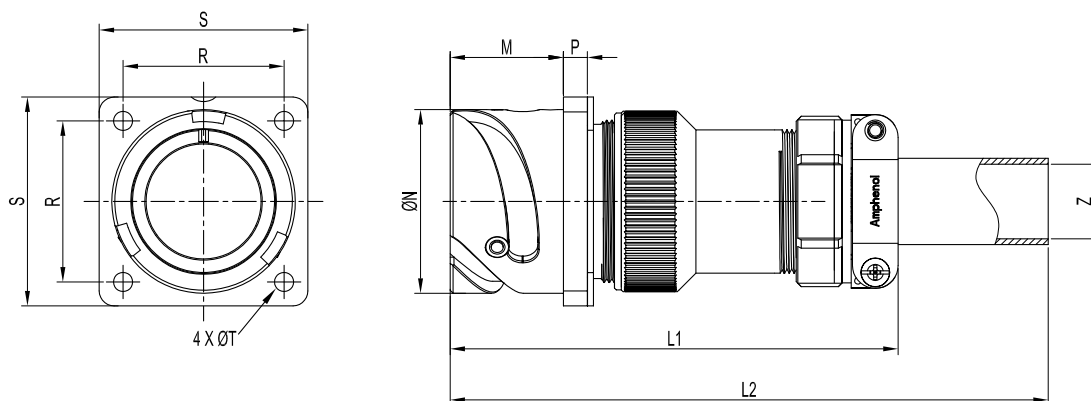


Shell size	B Thread - 2A	L Ref	M ± 0.3	N ± 0.2	P ± 0.2	R ± 0.1	S ± 0.15	T
14S	0.7500-20UNEF	33.0	18.4	24.6	3.2	23.0	30.0	3.2/M4
16S	0.8750-20UNEF	36.0	18.4	27.4	3.2	24.6	32.5	3.2/M4
18	1.0000-20UNEF	50.0	23.2	30.8	4.0	27.0	35.0	3.2/M4
20	1.1250-18UNEF	50.0	23.2	34.2	4.0	29.4	38.0	3.2/M4
22	1.2500-18UNEF	50.0	23.2	35.3	4.0	31.8	41.0	3.2/M4
24	1.3750-18UNEF	50.0	23.2	40.8	4.0	34.9	44.5	3.7/M4
28	1.6250-18UNEF	50.0	24.2	46.6	4.0	39.7	50.8	3.7/M5
32	1.8750-16UNS	50.0	24.2	53.3	4.0	44.5	57.0	4.3/M5
36	2.0625-16UNS	50.0	24.2	59.5	4.0	49.2	63.5	4.3/M5
40	2.3125-16UNS	50.0	24.2	65.5	4.0	55.5	69.9	4.3/M5

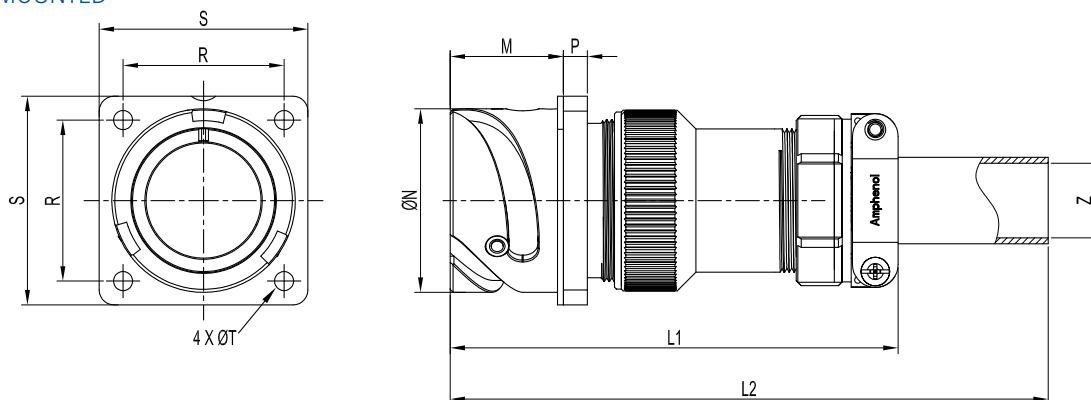
Dimension in mm

BOX MOUNTED RECEPTACLE ASVG03F/ASVG030F - For cable

FRONT MOUNTED



REAR MOUNTED

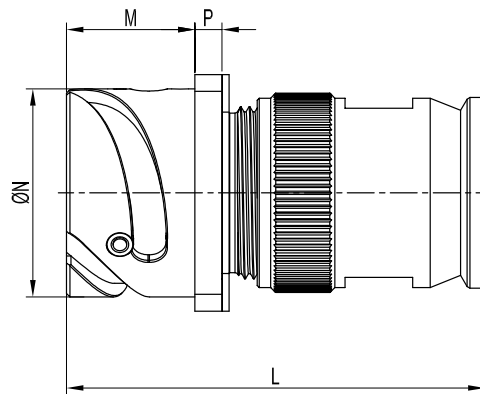
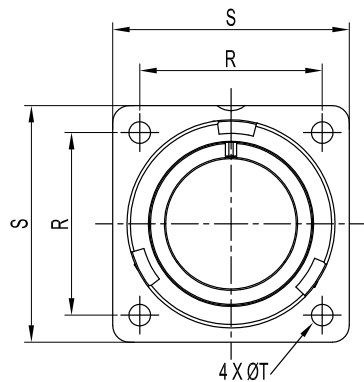


Shell size	L1 Ref	L2 Ref	M ± 0.3	N ± 0.2	P ± 0.2	R ± 0.1	S ± 0.15	T	Z ± 0.2
14S	65.0	120.0	18.4	24.6	3.2	23.0	30.0	3.2/M4	8.0
16S	65.0	120.0	18.4	27.4	3.2	24.6	32.5	3.2/M4	11.1
18	81.0	130.0	23.2	30.8	4.0	27.0	35.0	3.2/M4	14.3
20	81.0	125.0	23.2	34.2	4.0	29.4	38.0	3.2/M4	15.9
22	81.0	125.0	23.2	35.3	4.0	31.8	41.0	3.2/M4	15.9
24	81.0	120.0	23.2	40.8	4.0	34.9	44.5	3.7/M4	19.1
28	85.0	120.0	24.2	46.6	4.0	39.7	50.8	3.7/M5	19.1
32	85.0	120.0	24.2	53.3	4.0	44.5	57.0	4.3/M5	23.8
36	85.0	120.0	24.2	59.5	4.0	49.2	63.5	4.3/M5	31.8
40	85.0	120.0	24.2	65.5	4.0	55.5	69.9	4.3/M5	35.0

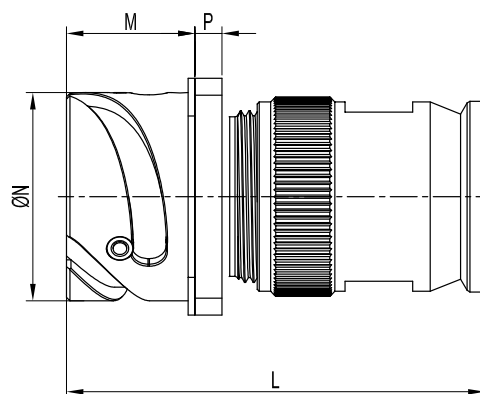
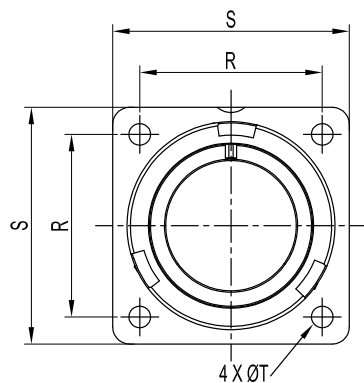
Dimension in mm

BOX MOUNTED RECEPTACLE
ASVG03RS/ASVG030RS - For single wire

FRONT MOUNTED



REAR MOUNTED



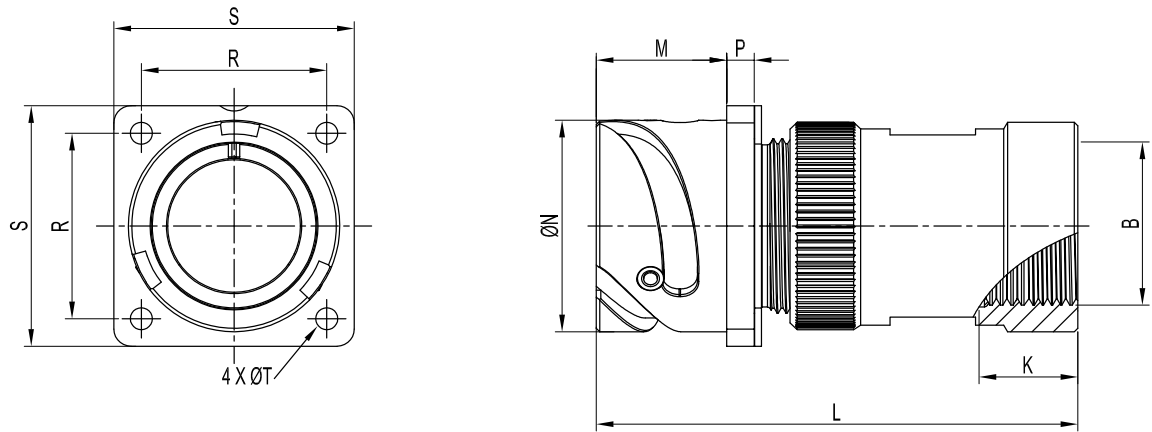
Shell size	L Ref	M ± 0.3	N ± 0.2	P ± 0.2	R ± 0.1	S ± 0.15	T
14S	45.0	18.4	24.6	3.2	23.0	30.0	3.2/M4
16S	48.0	18.4	27.4	3.2	24.6	32.5	3.2/M4
18	58.0	23.2	30.8	4.0	27.0	35.0	3.2/M4
20	58.0	23.2	34.2	4.0	29.4	38.0	3.2/M4
22	58.0	23.2	35.3	4.0	31.8	41.0	3.2/M4
24	58.0	23.2	40.8	4.0	34.9	44.5	3.7/M4
28	58.0	24.2	46.6	4.0	39.7	50.8	3.7/M5
32	70.0	24.2	53.3	4.0	44.5	57.0	4.3/M5
36	70.0	24.2	59.5	4.0	49.2	63.5	4.3/M5
40	70.0	24.2	65.5	4.0	55.5	69.9	4.3/M5

Dimension in mm

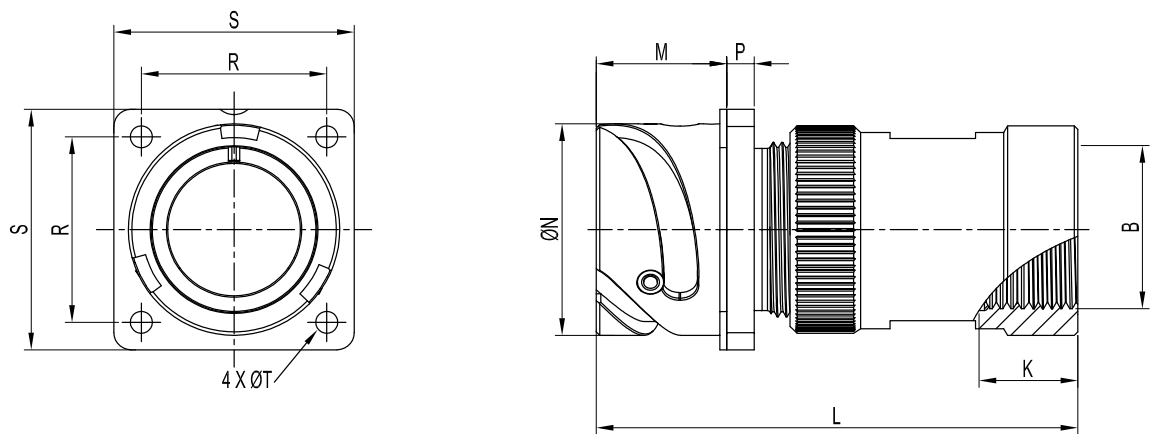
BOX MOUNTED RECEPTACLE

ASVG03SF/ ASVG030SF- With threaded shell to accept backshell & sealing grommet

FRONT MOUNTED



REAR MOUNTED



Shell size	B Thread – 2B	L Ref	M ± 0.3	N ± 0.2	P ± 0.2	R ± 0.1	S ± 0.15	T	K ± 0.1
14S	0.7500-20UNEF	55.0	18.4	24.6	3.2	23.0	30.0	3.2/M4	10.0
16S	0.8750-20UNEF	60.0	18.4	27.4	3.2	24.6	32.5	3.2/M4	10.0
18	1.0000-20UNEF	70.0	23.2	30.8	4.0	27.0	35.0	3.2/M4	10.0
20	1.1875-18UNEF	70.0	23.2	34.2	4.0	29.4	38.0	3.2/M4	10.0
22	1.1875-18UNEF	75.0	23.2	35.3	4.0	31.8	41.0	3.2/M4	10.0
24	1.4375-18UNEF	75.0	23.2	40.8	4.0	34.9	44.5	3.7/M4	11.0
28	1.4375-18UNEF	75.0	24.2	46.6	4.0	39.7	50.8	3.7/M5	11.0
32	1.7500-18UNS	75.0	24.2	53.3	4.0	44.5	57.0	4.3/M5	12.0
36	2.0000-18UNS	75.0	24.2	59.5	4.0	49.2	63.5	4.3/M5	12.0
40	2.2500-16UNS	75.0	24.2	65.5	4.0	55.5	69.9	4.3/M5	12.0

Dimension in mm

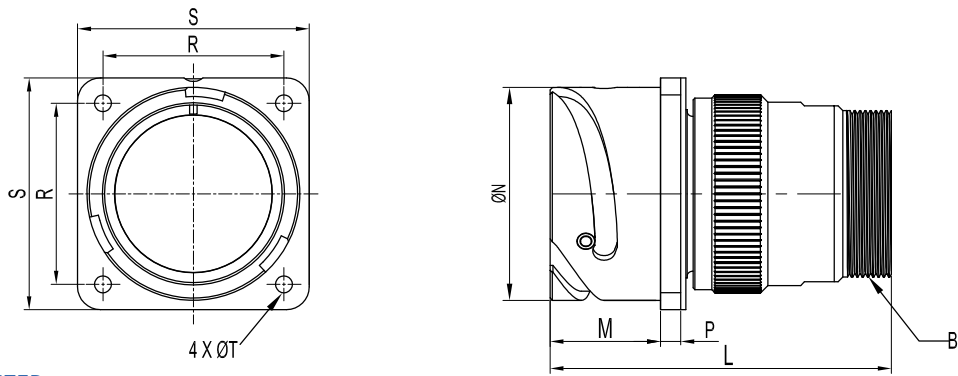
ASVG03A/ASVG030A
ASVG03R/ASVG030R

BOX MOUNTED RECEPTACLE

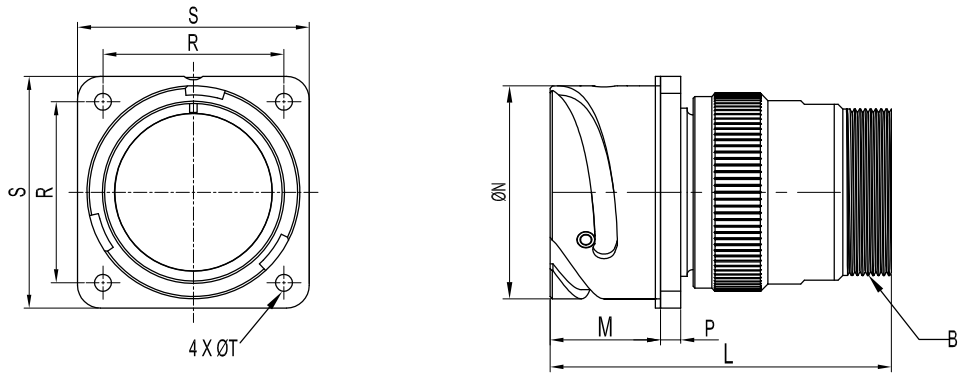
ASVG03A/ASVG030A - With threaded shell to accept backshell, without sealing grommet

ASVG03R/ASVG030R - With threaded shell to accept backshell & sealing grommet

FRONT MOUNTED



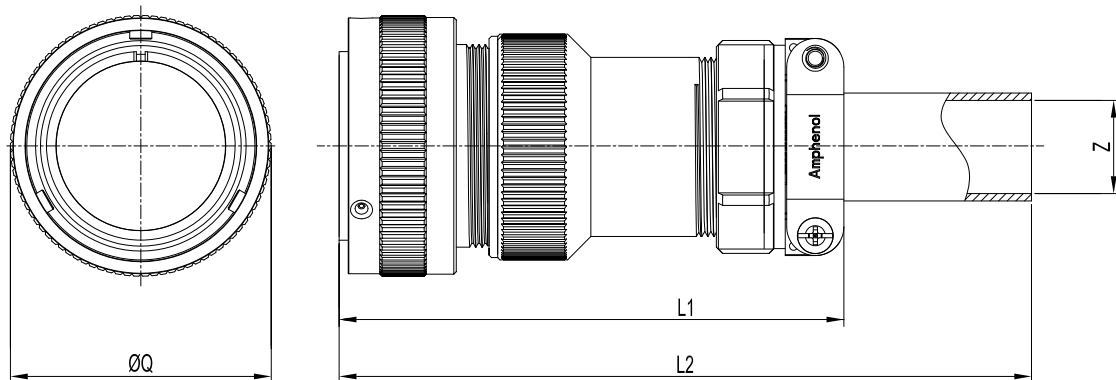
REAR MOUNTED



Shell size	B Thread - 2A	L Ref	M ±0.3	N ±0.2	P ±0.2	R ±0.1	S ±0.15	T
14S	0.7500-20UNEF	55.0	18.4	24.6	3.2	23.0	30.0	3.2/M4
16S	0.8750-20UNEF	60.0	18.4	27.4	3.2	24.6	32.5	3.2/M4
18	1.0000-20UNEF	62.0	23.2	30.8	4.0	27.0	35.0	3.2/M4
20	1.1875-18UNEF	65.0	23.2	34.2	4.0	29.4	38.0	3.2/M4
22	1.1875-18UNEF	65.0	23.2	35.3	4.0	31.8	41.0	3.2/M4
24	1.4375-18UNEF	65.0	23.2	40.8	4.0	34.9	44.5	3.7/M4
28	1.4375-18UNEF	65.0	24.2	46.6	4.0	39.7	50.8	3.7/M5
32	1.7500-18UNS	65.0	24.2	53.3	4.0	44.5	57.0	4.3/M5
36	2.0000-18UNS	65.0	24.2	59.5	4.0	49.2	63.5	4.3/M5
40	2.2500-16UNS	65.0	24.2	65.5	4.0	55.0	69.8	4.3/M5

Dimension in mm

STRAIGHT PLUG
ASVG06F - For cable

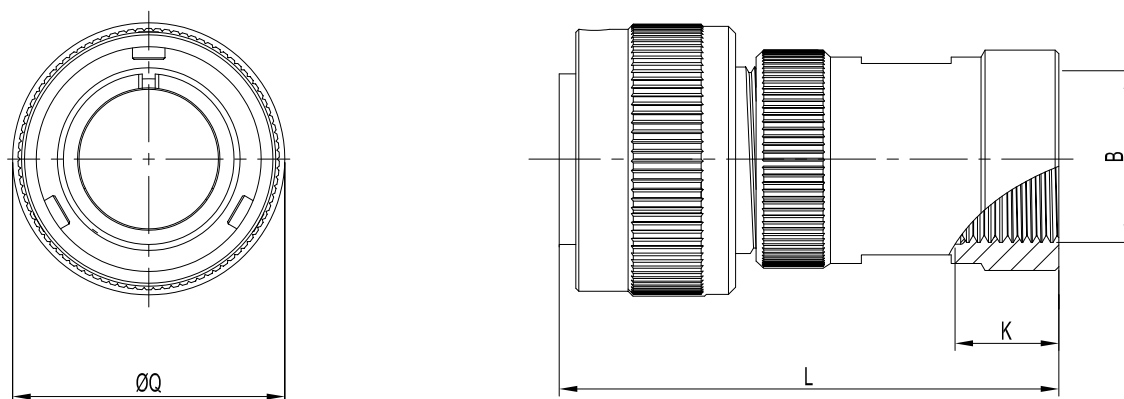


Shell size	L1 Ref	L2 Ref	Q Max	Z ±0.2
14S	65.0	120.0	29.5	9.0
16S	65.0	120.0	32.0	11.1
18	81.0	130.0	36.5	14.3
20	81.0	125.0	39.9	15.9
22	81.0	125.0	43.1	15.9
24	81.0	120.0	46.6	19.1
28	85.0	120.0	53.4	19.1
32	85.0	120.0	60.1	23.8
36	85.0	120.0	66.3	31.8
40	85.0	120.0	72.4	35.0

Dimension in mm

STRAIGHT PLUG

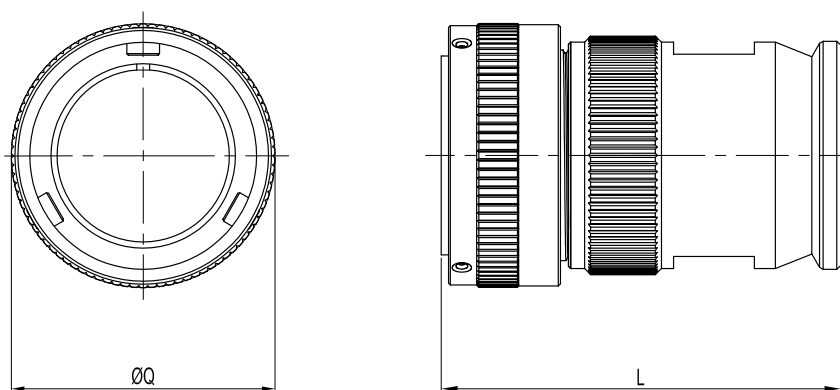
ASVG06SF - With threaded shell to accept backshell & sealing grommet



Shell size	B Thread – 2B	L Ref	Q Max	K ±0.2
14S	0.7500-20UNEF	60.0	29.5	10.0
16S	0.8750-20UNEF	65.0	32.0	10.0
18	1.0000-20UNEF	75.0	36.5	10.0
20	1.1875-18UNEF	75.0	39.9	10.0
22	1.1875-18UNEF	75.0	43.1	10.0
24	1.4375-18UNEF	75.0	46.6	11.0
28	1.4375-18UNEF	75.0	53.4	11.0
32	1.7500-18UNS	75.0	60.1	12.0
36	2.0000-18UNS	75.0	66.3	12.0
40	2.2500-16UNS	75.0	72.4	12.0

Dimension in mm

STRAIGHT PLUG, RESISTANT TO HARSH ENVIRONMENT
ASVG06RS - For single core cable



Shell size	L Ref	Q Max
14S	45.0	29.5
16S	48.0	32.0
18	58.0	36.2
20	58.0	39.8
22	58.0	43.0
24	58.0	46.5
28	58.0	53.2
32	70.0	59.6
36	70.0	66.1
40	70.0	72.2

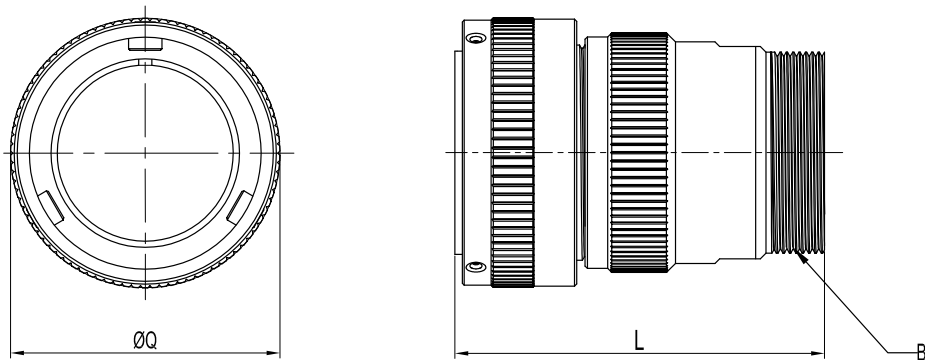
Dimension in mm

ASVG06A ASVG06R

STRAIGHT PLUG, RESISTANT TO HARSH ENVIRONMENT

ASVG06A - With threaded shell to accept backshell, without sealing grommet

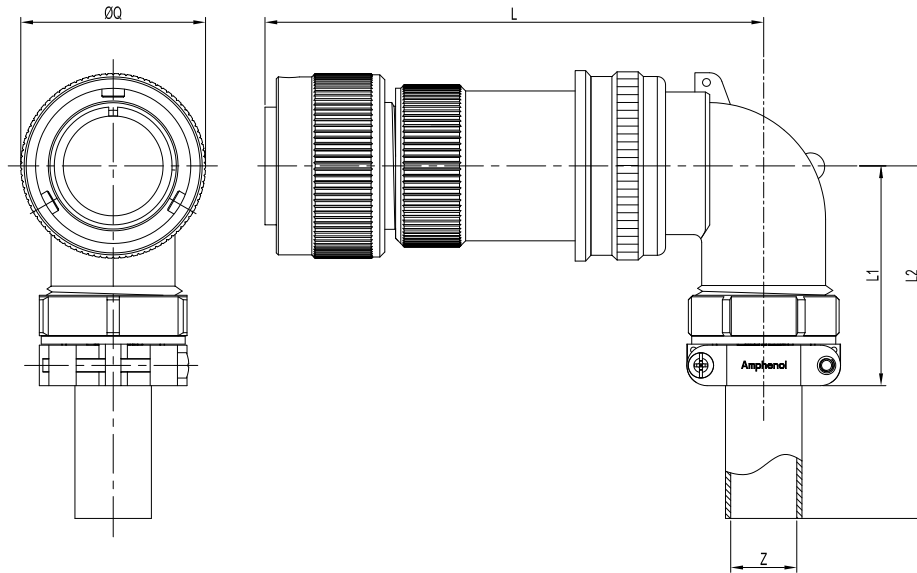
ASVG06R - With threaded shell to accept backshell & sealing grommet



Shell size	B Thread – 2A	L Ref	Q Max
14S	0.7500-20UNEF	55.0	29.5
16S	0.8750-20UNEF	60.0	32.0
18	1.0000-20UNEF	65.0	36.2
20	1.1875-18UNEF	65.0	39.8
22	1.1875-18UNEF	65.0	43.0
24	1.4375-18UNEF	65.0	46.5
28	1.4375-18UNEF	70.0	53.2
32	1.7500-18UNS	70.0	59.6
36	2.0000-18UNS	70.0	66.1
40	2.2500-16UNS	70.0	72.2

Dimension in mm

R/A PLUG
ASVG08F - For cable



Shell size	L Ref	L1 Ref	L2 Ref	Q Max	Z ± 0.2
14S	70.0	30.0	90.0	29.5	9.0
16S	85.0	40.0	90.0	32.0	11.1
18	95.0	40.0	90.0	36.5	14.3
20	95.0	40.0	90.0	39.9	15.9
22	95.0	40.0	90.0	43.1	15.9
24	95.0	50.0	85.0	46.6	19.1
28	95.0	50.0	90.0	53.4	19.1
32	100.0	55.0	100.0	60.1	23.8
36	100.0	60.0	100.0	66.3	31.8
40	100.0	60.0	100.0	72.4	35.0

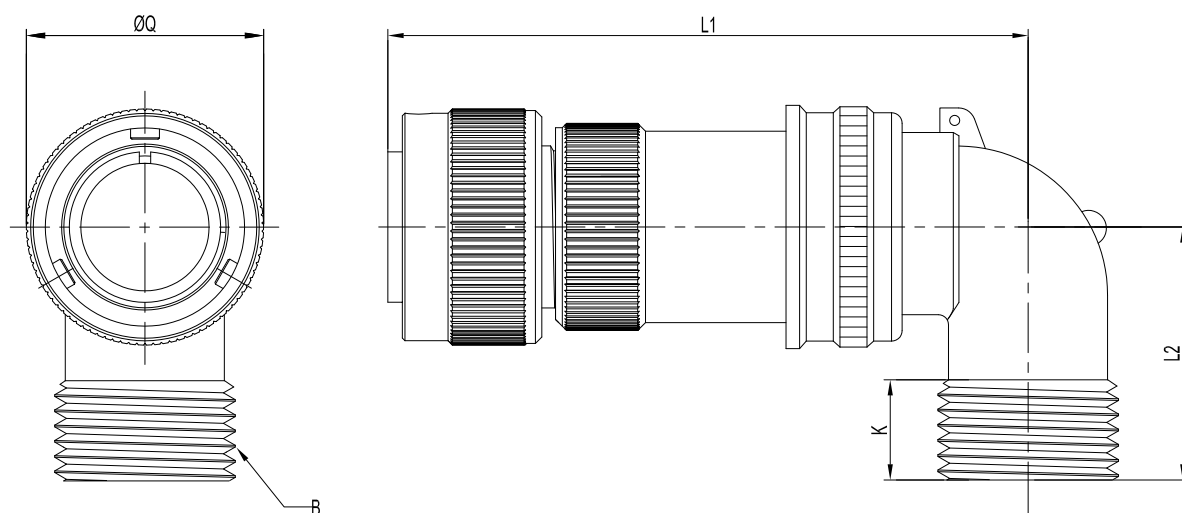
Dimension in mm

ASVG08A ASVG08R

R/A PLUG

ASVG08A - With threaded shell to accept backshell, without sealing grommet

ASVG08R - With threaded shell to accept backshell & sealing grommet

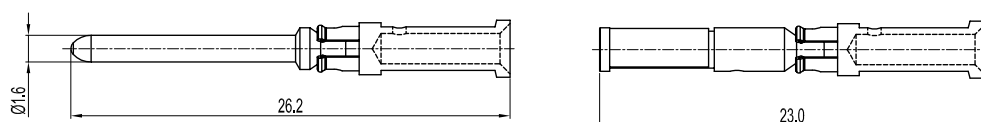


Shell size	B Thread – 2A	L1 Ref	L2 Ref	Q Max	K ±0.2
14S	0.7500-20UNEF	70.0	30.0	29.5	9.0
16S	0.8750-20UNEF	85.0	25.0	32.0	9.5
18	1.0000-20UNEF	90.0	30.0	36.5	9.5
20	1.1875-18UNEF	90.0	30.0	39.9	9.5
22	1.1875-18UNEF	90.0	30.0	43.1	9.5
24	1.4375-18UNEF	90.0	30.0	46.6	9.5
28	1.4375-18UNEF	95.0	35.0	53.4	9.5
32	1.7500-18UNS	100.0	40.0	60.1	11.0
36	2.0000-18UNS	100.0	45.0	66.3	12.6
40	2.2500-16UNS	100.0	45.0	72.4	12.6

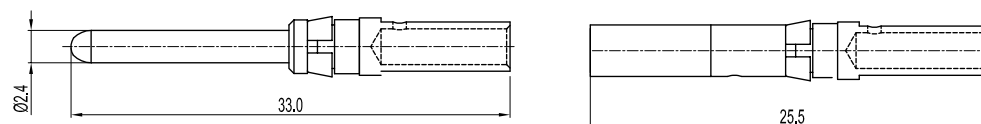
Dimension in mm

CONTACTS

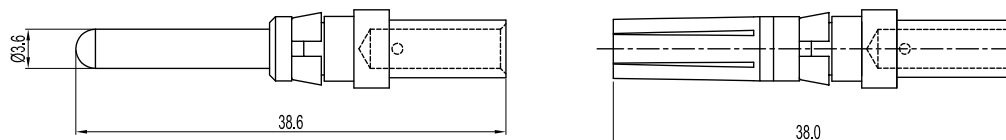
#16



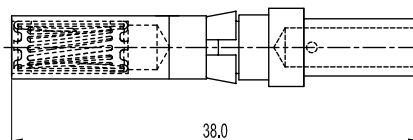
#12



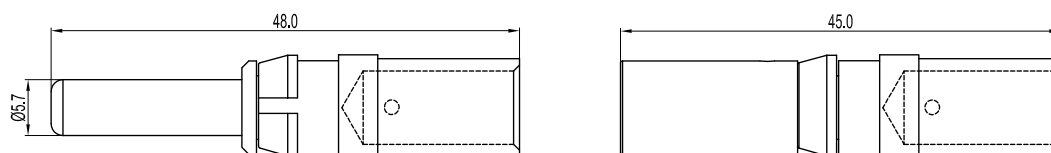
#8



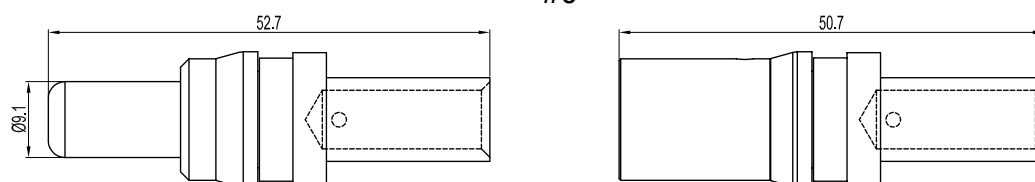
#8 (Radsok)



#4



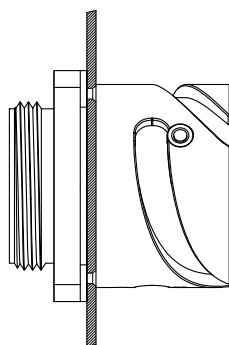
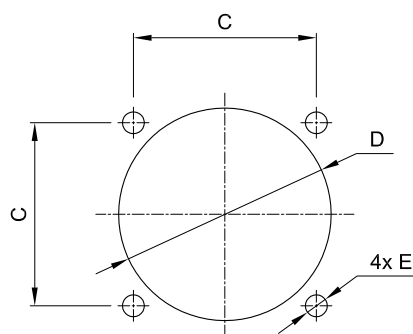
#0



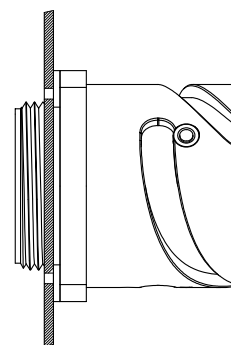
CONTACTS



Contact size	Pin contact P/N	Socket contact P/N	Section of conductor (mm ²)	Plating	Crimp tools	Extraction tools
#16	C52001305203	C52001305303	0.15~0.6	GOLD	M22520/1-01	ASVG-R-16
	C52001305205	C52001305305	0.5~1.0			
	C52001305206	C52001305304	1.0~1.5			
	C52001305213	C52001305312	0.15~0.6	SLIVER		
	C52001305215	C52001305315	0.5~1.0			
	C52001305216	C52001305316	1.0~1.5			
#12	C42001305606	C42001305706	1.0~1.5	SLIVER	M22520/1-01	ASVG-R-12
	C42001305601	C42001305701	1.5~2.0		M317	
	C420013056	C420013057	2.5~4.0			
	C42001305605	C42001305705	6.0			
	C42001305606G	C42001305706G	1.0~1.5	GOLD	M22520/1-01	
	C42001305601G	C42001305701G	1.5~2.0		M317	
	C42001305603G	C42001305704G	2.5~4.0			
	C42001305605G	C42001305705G	6.0			
#8	C42001306201	C42001306301	5.0~7.0	SLIVER	M317	ASVG-R-8
	C42001306202	C42001306302	2.5~4.0			
	C42001306203	C42001306303	10			
#8 (Radsok)	-	C420013058	5.0~7.0			
#4	C42001309001	C42001309101	22~25	SLIVER	APHWA23KIT	ASVG-R-4
	C42001309002	C42001309102	10			
#0	C42001309402	C42001309502	16	SLIVER	APHWA23KIT APH1130-C2	ASVG-R-0
	C420013094	C420013095	25			
	C42001309403	C42001309503	35			
	C42001309401	C42001309501	50			



REAR MOUNTED



FRONT MOUNTED

FRONT MOUNTED (RECOMMENDED DIMENSIONS)

Size	14S	16S	18	20	22	24	28	32	36	40
C ± 0.2	23	24.6	27	29.4	31.8	34.9	39.7	44.5	49.2	55.5
ΦD	20	23	26.5	30	33	36	42	48.5	55	61
ΦE through-hole flange	3.4	3.4	3.4	3.4	3.4	3.9	3.9	4.5	4.5	4.5
ΦE threaded-hole flange	4.5	4.5	4.5	4.5	4.5	5.5	5.5	5.5	5.5	5.5

REAR MOUNTED (RECOMMENDED DIMENSIONS)

Size	14S	16S	18	20	22	24	28	32	36	40
C ± 0.2	23	24.6	27	29.4	31.8	34.9	39.7	44.5	49.2	55.5
ΦD	25.5	28.3	31.7	35	38.3	41.8	47.6	54.3	60.5	66.4
ΦE through-hole flange	3.4	3.4	3.4	3.4	3.4	3.9	3.9	4.5	4.5	4.5
ΦE threaded-hole flange	4.5	4.5	4.5	4.5	4.5	4.5	5.5	5.5	5.5	5.5

Dimension in mm

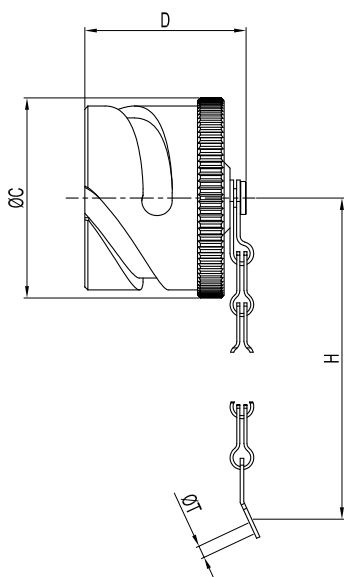
SEALING PLUGS



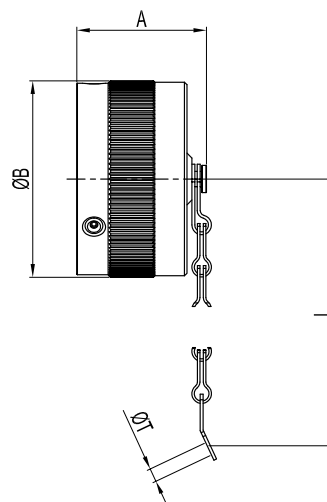
Contact size	Rear seal plug	Color	Insert seal plug	Color
#16	C422013060	Black	C422013050	Black
#12	C422013061	Black	C427013052	Black
#8	C422013062	Black	C422013053	Black
#4	C422013063	Black	C422013051	Black
#0	C422013064	Black	C427013054	Black

DUST CAPS

Dust cap for plug (metal)



Dust caps for receptacle (metal)



Shell size	Dust cap for receptacle (metal)	L	A	B	T
14S	ASVG2504314SCAPBA	125	20.0	29.5	3.5
16S	ASVG2504316SCAPBA	125	20.0	32.0	3.5
18	ASVG2504318CAPBA	125	27.0	36.5	3.5
20	ASVG2504320CAPBA	125	27.0	39.9	3.5
22	ASVG2504322CAPBA	125	27.0	43.1	3.5
24	ASVG2504324CAPBA	125	27.0	46.6	4.5
28	ASVG2504328CAPBA	125	27.0	53.4	4.5
32	ASVG2504332CAPBA	125	27.0	60.1	5.5
36	ASVG2504336CAPBA	125	27.0	66.3	5.5
40	ASVG2504340CAPBA	125	27.0	72.4	5.5

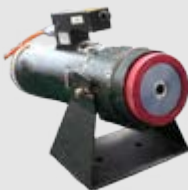
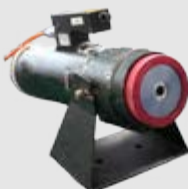
Remark: black plating anodized. For other requirements, please contact us.

Shell size	Dust caps for plug (metal)	H	C	D	T
14S	ASVG2504214SCAPBA	125	27.5	26.0	3.5
16S	ASVG2504216SCAPBA	125	30.0	26.0	3.5
18	ASVG2504218CAPBA	125	34.0	27.0	3.5
20	ASVG2504220CAPBA	125	37.0	27.0	3.5
22	ASVG2504222CAPBA	125	40.3	27.0	3.5
24	ASVG2504224CAPBA	125	44.0	28.6	4.5
28	ASVG2504228CAPBA	125	50.0	28.6	4.5
32	ASVG2504232CAPBA	125	56.0	30.2	5.5
36	ASVG2504236CAPBA	125	63.0	30.2	5.5
40	ASVG2504240CAPBA	125	68.5	30.2	5.5

Dimension in mm

TOOLS

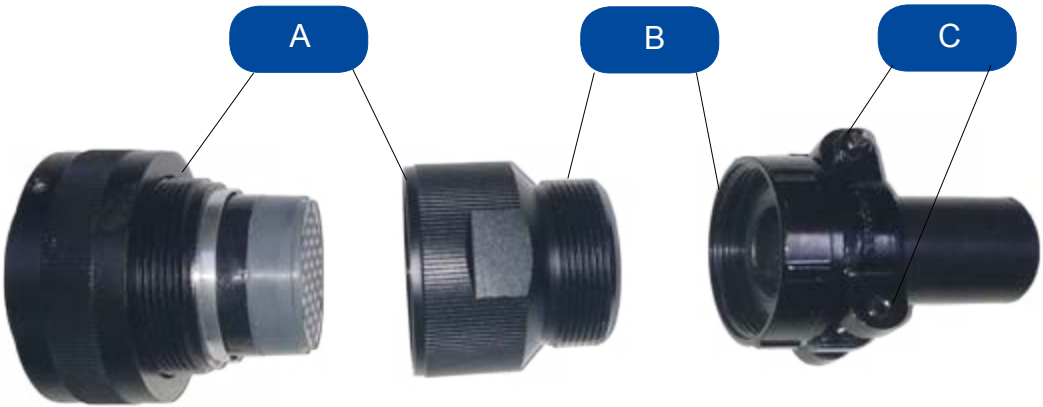
Contact size	Section of conductor	Crimping tool	Extraction tool
#16	0.15 to 1.5mm ²	M22520/1-01	ASVG-R-16
#12	1.0 to 6.0mm ²	MH317 or M22520/1-01	ASVG-R-12
#8	5.0 to 10.0mm ²	APHWA23KIT or MH317	ASVG-R-8
#4	10.0 to 25mm ²	APHWA23KIT	ASVG-R-4
#0	16 to 50mm ²	AHP1130C2 or APHWA23KIT	ASVG-R-0

#16 Crimping tool M22520/1-01	#16 Extraction tool ASVG-R-16
	
#12 Crimping tool M317	#12 Extraction tool ASVG-R-12
	
#8 Crimping tool APHWA23KIT	#8 Extraction tool ASVG-R-8
	
#4 Crimping tool APHWA23KIT	#4 Extraction tool ASVG-R-4
	
#0 Crimping tool AHP1130C2	#0 Extraction tool ASVG-R-0
	

TORQUE

Torque

Connector assembly touque / Nm			
Shell size	A	B	C
14S	5 - 8	5 - 8	0.47 (M3)
16S	6 - 9	6 - 9	0.73 (M3.5)
18	8 -10	10 - 12	
20	8 -10	10 - 12	1.08 (M4)
22	10- 12	10 - 12	
24	12 -14	12 - 15	
28	14 - 16	12 - 15	
32	16 -18	12 - 15	2.28 (M5)
36	18 -20	12 - 15	
40	20 -22	12 - 15	



Amphenol PCD Shenzhen

Building 21
1st Liao Keng Industrial Zone
Shi Yan Street, Bao An District Shenzhen 518108
China

Tel.: +86 755-8173-8000
Fax: +86 755-8173-8180
Email: inquiry@amphenolpcd.com.cn

www.amphenolpcd.com.cn

Notes:

Amphenol PCD Shenzhen has made every effort to ensure that the information contained in this catalog is accurate at the time of publication. Specifications or information stated in this publication are subject to change without notice.

Amphenol PCD Shenzhen reserves the right to clarify this catalog.

Mouser Electronics

Authorized Distributor

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

[Amphenol:](#)

[ASVG06F363SCBALC](#)