Peripheral Devices

General-purpose Peripheral Devices

Peripheral Devices for DeviceNet Communications

Ordering Information

General-purpose Models

Product	Appearance	Model	Specifications		
		DCN1-1NC	Cable wiring direction: Toward top Cable lock direction: From top Connector screw direction: From top	Provided with 3 parallel connectors with clamps (XW4G-05C1-H1-D), standard terminating resistor	
T-branch Tap for		DCN1-1C	Cable wiring direction: Toward side Cable screw direction: From top Connector screw direction: From side	Provided with 3 parallel connectors with screws	
1 branch line		Cable wiring direction: Toward top Cable screw direction: From side Connector screw direction: From top		(XW4B-05C1-H1-D), standard terminating resistor	
		DCN1-2R	Cable wiring direction: Toward side Cable screw direction: From top Connector screw direction: From top	Provided with 3 orthogonal connectors with screws (XW4B-05C1-VIR-D), standard terminating resistor	
		DCN1-3NC	Cable wiring direction: Toward top Cable lock direction: From top Connector screw direction: From top	Provided with 5 parallel clamp connectors with screws (XW4G-05C1-H1-D), standard terminating resistor	
T-branch Tap for		DCN1-3C	Cable wiring direction: Toward side Cable screw direction: From top Connector screw direction: From side	Provided with 5 parallel connectors with screws (XW4B-05C1-H1-D), standard terminating resistor	
3 branch lines		DCN1-4C	Cable wiring direction: Toward top Cable screw direction: From side Connector screw direction: From top		
		DCN1-4R	Cable wiring direction: Toward side Cable screw direction: From top Connector screw direction: From top	Provided with 5 orthogonal clamp connectors with screws (XW4B-05C1-VIR-D), standard terminating resistor	
Power Supply Tap		DCN1-1P	Tap provided with 2 connectors, standard terminating resistor, and fuse		

Produ	ct	Appearance	Model	Specifications		
Connectors			XW4G-05C1-H1-D	Parallel clamp connector with screws Connector insertion and wiring both performed horizontally.		
			XW4G-05C4-TF-D	Parallel multi-branching clamp connector with screws Connector insertion and wiring performed in same direction.		
			XW4B-05C1-H1-D	Parallel connector with screws Connector insertion and wiring performed in same direction.		
		00000	XW4B-05C4-T-D	Parallel, screw-less, multi-branching connector Connector insertion and wiring performed in same direction.		
		00000	XW4B-05C4-TF-D	Parallel, multi-branching connector with screws Connector insertion and wiring performed in same direction.		
			XW4B-05C1-VIR-D	Orthogonal connector with screws Connector insertion and wiring performed at a right angle.		
DeviceNet	Thin Cables		DCA1-5C10(-B)	Outer diameter: 7.00 mm Length: 100 m DCA1-5C10-B: Cable color: Blue DCA1-5C10: Cable color: Gray		
Standard Cables Thick Cables			DCA2-5C10(-B)	Outer diameter: 11.6 mm Length: 100 m DCA2-5C10-B: Cable color: Blue DCA2-5C10: Cable color: Gray		
Terminal-bloc Terminator	k		DRS1-T	Resistance of 121 Ω		

Peripheral Devices for Flat Cables

Product	Appearance	Model	Specifications
Connector for Flat Cable		DCN4-SF4D	Connector with lock screws for crimping flat cable
Conversion Connector for Standard Thin Cable and Flat Cable		DCN4-BR4D	Used as a set with a DCN4-TR4 when Thin Cable is branched on a branch line.
Power Supply Terminal Block with Terminating Resistance for Flat Cable		DCN4-TP4D	Can be used to supply communications power from terminals when Flat Cable is used.
Flat Connector Socket		DCN4-TR4	Used as a set with a DCN4-BR4 Flat Connector Plug in the following applications. • Extending the trunk line • T-branching the trunk line into branch lines
			Used alone in the following applications. • Connecting a DCN4-TM4 Terminating Resistor to the trunk line
Flat Connector Plug		DCN4-BR4	Used as a set with a DCN4-TR4 Flat Connector Socket in the following applications. • Extending the trunk line • T-branching the trunk line into branch lines
Terminating Resistor		DCN4-TM4	Connector terminating resistor for flat cable. Attached to the DCN4-TR4 Flat Connector Socket at the end of the trunk line.
Flat Cable		DCA4-4F10	Four-core flat cable (UL 2555) Length: 100 m Conductor diameters: 0.75 mm² x 2, 0.5 mm² x 2
Simple Manual Crimp Tool		DWT-A01	Crimping tool for DCN4-TR4 Flat Connector Socket or DCN4-BR4 Flat Connector Plug.

Specifications

● General-purpose Models (T-branch Taps)

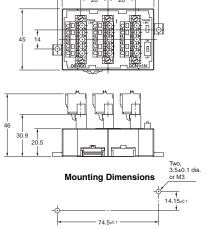
Rated current	Between main lines: 8 A (power supply line) and 2 A (signal line)		
nateu current	Between main and branch lines: 3 A (power supply line) and 1 A (signal line)		
Insulation resistance	100 M Ω min. (at 500 VDC)		
Dielectric strength	500 VAC for 1 min, leakage current: 1 mA max.		
Ambient operating temperature	0°C to 55°C		

Dimensions (Unit: mm)

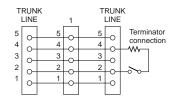
● General-purpose Models

T-branch Tap for 1 branch line DCN1-1NC (With Three Branching Connectors)





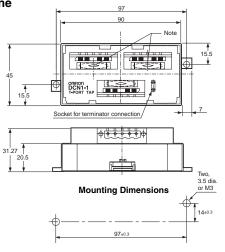
Internal Circuit



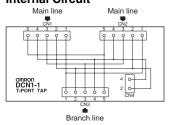
Terminal No.	Name
1	V-
2	CAN L
3	DRAIN
4	CAN H
5	V+

T-branch Tap for 1 branch line DCN1-1C (With Three Branching Connectors)





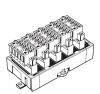
Internal Circuit

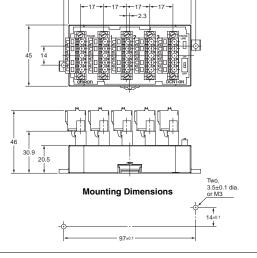


Terminal No.	Name
1	V-
2	CAN L
3	DRAIN
4	CAN H
5	V+

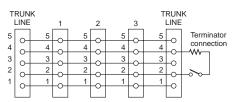
Note: When connecting a branch line to the main line, connect the main line to the connector marked with an asterisk because the resistance between the asterisks is minimal.

T-branch Tap for 3 branch lines DCN1-3NC (With Five Branching Connectors)

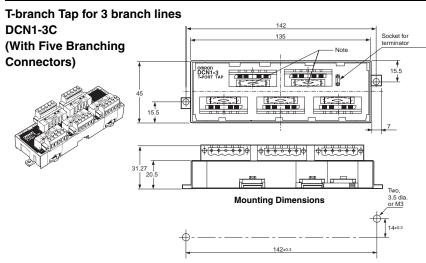




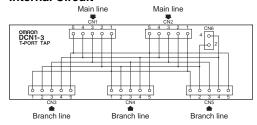
Internal Circuit



Terminal No.	Name	
1	V-	
2	CAN L	
3	DRAIN	
4	CAN H	
5	V+	



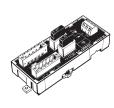
Internal Circuit

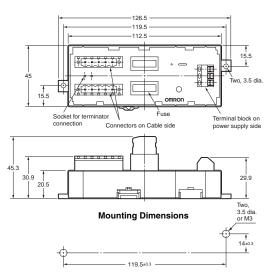


Terminal No.	Name	
1	V-	
2	CAN L	
3	DRAIN	
4	CAN H	
5	V+	

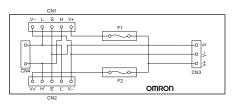
Note: When connecting a branch line to the main line, connect the main line to the connector marked with an asterisk because the resistance between the asterisked portion is minimal.

Power Supply Tap DCN1-1P (With Two Branching Connectors)





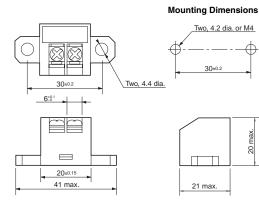
Internal Circuit



Terminal No.	Name
V-	V-
L	CAN L
S	DRAIN
Н	CAN H
V+	V+

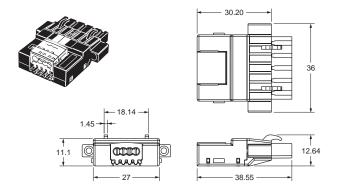
DRS1-T (Terminal-block Terminator)





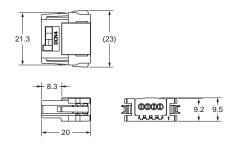
● Flat Cable

Connector for Flat Cable DCN4-SF4D



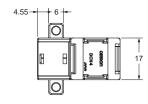
Conversion Connector for Standard Thin Cable and Flat Cable DCN4-BR4D

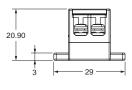


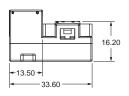


Power Supply Terminal Block with Terminating Resistance for Flat Cable



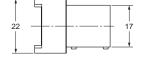




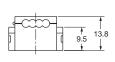


Flat Connector Socket DCN4-TR4



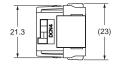






Flat Connector Plug DCN4-BR4









I/O Peripheral Devices

■ I/O Connectors for Connector Terminals

MIL Connectors

Applicable Connectors

Туре		Model	Remarks
Flat Cable Pressure-welded Connectors		XG4M-4030-T	
	Socket	XG5M-4032-N	Corresponding to 24 AWG
Pressure-welded Connectors with		XG5M-4035-N	Corresponding to 28 to 26 AWG
Loose Wires	Semicover	XG5S-2001	
	Hood Cover *	XG5S-4022	

^{*} DeviceNet connectors for multi-drop wiring cannot be used with the Hood Cover.

Cable Models

Туре	Model	Connected device	Applicable models	
	G79-I□□-□□-D1		DRT2-ID32ML	
	G79-M□□-□□-D1		DRT2-MD32ML	
Cable with Connectors (1:2)	G79-O□□-□□-D1	G7TC/G70D/G70A	DRT2-OD32ML/DRT1-OD32ML-1	
	G79-I□□-□□-D2		DRT2-ID32ML-1	
	G79-M□□-□□-D2		DRT2-MD32ML-1	
Cable with Connector (1:1)	XW2Z-C□□K		All models	
Cable with Loose Wires with Crimp Terminals	G79-Y□00C-D1			
Cable with Loose Wires	G79-A□00C-D1			

Applicable Cables with Connectors

● Cables with Connectors (1-to-2 Connection)/G79-□□-□-D□

Appearance	Cable length (mm)		Model	
Appearance		A	B	wodei
		500	250	G79-I50-25-D1
	 	750	500	G79-I75-50-D1
	(120)	500	250	G79-O50-25-D1
		750	500	G79-O75-50-D1
		500	250	G79-M50-25-D1
		750	500	G79-M75-50-D1
		500	250	G79-I50-25-D2
The state of the s		750	500	G79-I75-50-D2
	Length without any bending	500	250	G79-M50-25-D2
		750	500	G79-M75-50-D2

● Cables with Connectors (1-to-1 Connection)/XW2Z-C□□K

Appearance	Cable length (mm)	Model	
		250	XW2Z-C25K
		500	XW2Z-C50K

● Cables with Crimp Terminals (at the End of Loose Wires)/G79-Y□C-D1

Appearance	Cable length (mm)	Model	
To the state of th	Terminal A Terminal B	1,000	G79-Y100C-D1
	Connected to device	2,000	G79-Y200C-D1
	1 300 L	5,000	G79-Y500C-D1

● Cables with Loose Wires/G79-A□C

Appearance	Cable length (mm)	Model	
	Terminal A Terminal B	2,000	G79-A200C-D1
13 and 15	to device	5,000	G79-A500C-D1

■ I/O Connectors for MULTIPLE I/O TERMINALs

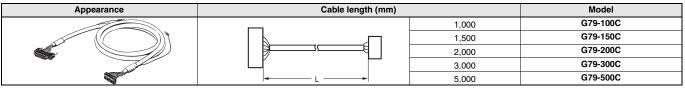
Applicable Connectors

	Туре		Model	Remark	Connectable model
		Housing	50-57-9403		
		Chain terminal	16-02-0069	Corresponding to 24 to 30 AWG	Digital I/O Units
		Chain terminai	16-02-0086	Corresponding to 22 to 24 AWG	GT1-ID16MX(-1)/GT1-OD16MX(-1)
Molex connector	Crimped terminals	Loose terminal	16-02-0096	Corresponding to 24 to 30 AWG	
	terminais	Loose terminal	16-02-0102	Corresponding to 22 to 24 AWG	Analog I/O Units GT1-AD08MX/GT1-DA04MX
	Dunna fit to al	57036-5000	Corresponding to 22 to 26 AWG	GTT-AD06WIX/GTT-DA04WIX	
		Press-fit tool	57037-5000	Corresponding to 24to 30 AWG	
- ··· ·	Soldered termin	nals	FCN361J024-AU		
Fujitsu connector (16 points)	Pressure-welde	d terminals	FCN367J024-AU/F		
(10 points)	Crimped termin	als	FCN363J024-AU		
	Soldered termin	nals	FCN361J040-AU		
Fujitsu connector (32 points)	Pressure-welde	d terminals	FCN367J040-AU/F		Digital I/O Units GT1-ID32ML(-1)/GT1-OD32ML(-1)
(32 points)	Crimped termin	als	FCN363J040-AU		arriboziwie(1)/arr oboziwie(1)
OMRON	Pulg	Pulg			Digital I/O Units
D-sub connector Hood			XM2S-2513	#4-40UNC inch screws	GT1-ID16DS(-1)/GT1-OD16DS(-1)

Applicable Cables with Connectors (Fujitsu Connectors)

I/O classification	Model	Connectable model
Digital input, 16 points	XW2Z-□□□A	Digital I/O Units
Digital input, 10 points	G79-□C	GT1-ID16ML(-1)
Digital output 16 points	XW2Z-□□□A	Digital I/O Units
Digital output, 16 points	G79-□C	GT1-OD16ML(-1)
Digital input, 32 points	XW2Z-□□□B	Digital I/O Units
Digital input, 32 points	G79-I□C□	GT1-ID32ML(-1)
Digital output, 32 points	XW2Z-□□□B	Digital I/O Units
Digital output, 32 points	G79-O□C□	GT1-OD32ML(-1)

● Cables with Connectors (1-to1 Connection)/G79-□C For Digital Input/Output (16 Points)



● Cables with Connectors (1-to-2 Connection)/G79-O□C-□, G79-I□C-□ For Digital Input/Output (32 Points)

Annogrange	Cable length (mm)			Model	
Appearance		A	B	Input	Output
	A	1,000	750	G79-I100C-75	G79-O100C-75
		1,500	1,250	G79-I150C-125	G79-O150C-125
		2,000	1,750	G79-I200C-175	G79-O200C-175
		3,000	2,750	G79-I300C-275	G79-O300C-275
	Length without any bending	5,000	4,750	G79-I500C-475	G79-O500C-475

For Digital Input/Output (16 Points)

Appearance	Cable length (mm)	Model		
		500	XW2Z-050A	
		1,000	XW2Z-100A	
		1,500	XW2Z-150A	
			2,000	XW2Z-200A
		3,000	XW2Z-300A	
		5,000	XW2Z-500A	

For Digital Input/Output (32 Points)

Appearance	Cable length (mm)	Model	
		500	XW2Z-050B
		1,000	XW2Z-100B
		1,500	XW2Z-150B
		2,000	XW2Z-200B
		3,000	XW2Z-300B
	-	5,000	XW2Z-500B

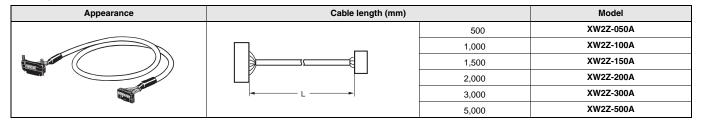
■ I/O Connector for Programmable Slaves

Applicable Connector Terminal Conversion Units

Applicable cable	Connected product	Remarks
XW2Z-□□□A	XW2D-20G6	Slim type (with M3 screw terminals)
	XW2B-20G4	Flat cable connectors (with M3 terminal screws for flat-blade screwdriver)

Applicable Cables with Connectors

● Cables with Connectors/XW2Z For Digital Input/Output (16 Points)



Peripheral Devices for Environment-resistive Slaves

Peripheral Devices for DeviceNet Communications

Ordering Information

● Environment-resistive Connection Products (for Thin Cable, M12 Micro Connectors)

Product	Appearance		Model		Specifications
Sealed Assembling-type Connector (male)			XS2G-D5S7	For communications (plu	ig)
Sealed Assembling-type Connector (female)			XS2C-D5S7	For communications (socket)	
Sealed T-branch Connector			DCN2-1	For 1 branch line	
Sealed Connector with			DRS2-1	Plug	
Terminating Resistor			DRS2-2	Socket	
			DCA1-5CNC5W1	Length (L): 0.5 m	
			DCA1-5CN01W1	Length (L): 1 m	
			DCA1-5CN02W1	Length (L): 2 m	1
		L	DCA1-5CN03W1	Length (L): 3 m	Cable with connectors on both ends
			DCA1-5CN05W1	Length (L): 5 m	
			DCA1-5CN10W1	Length (L): 10 m	
			DCA1-5CNC5F1	Length (L): 0.5 m	
			DCA1-5CN01F1	Length (L): 1 m	
Cables with Sealed			DCA1-5CN02F1	Length (L): 2 m	1
Connectors		4 L → 50 mm	DCA1-5CN03F1	Length (L): 3 m	Cable with connector on one end (socket)
			DCA1-5CN05F1	Length (L): 5 m	
			DCA1-5CN10F1	Length (L): 10 m	
			DCA1-5CNC5H1	Length (L): 0.5 m	
	L Somm	DCA1-5CN01H1	Length (L): 1 m		
			DCA1-5CN02H1	Length (L): 2 m	1
			50 mm	DCA1-5CN03H1	Length (L): 3 m
			DCA1-5CN05H1	Length (L): 5 m	
			DCA1-5CN10H1	Length (L): 10 m	
Shielded Panel-mounting Connectors (female)			DCA1-5CNC5P1	Panel-mounting connect	or (socket) with 0.5-m cable
, ,	6		XS2P-D522-2	Panel-mounting connector socket	
Shielded Panel-mounting Connectors (male)			DCA1-5CNC5M1	Panel-mounting connect	or (plug) with 0.5-m cable
Connectors (mate)			XS2M-D524-4	Panel-mounting connector (plug) with solder-cup terminals	
Waterproof cover (for socket)			XS2Z-22	Used to cover an unuser	d connector section
Dust cover (for socket)			XS2Z-15	- Used to cover an unused connector section	

Environment-resistive Models (for Thin Wires and M12 Micro Connectors) Smartclick

Product	Appearance		Model		Specifications
Sealed T-branch Connector			DCN2-1S	For 1 branch line	
Sealed Assembling type			DRS2-1S	Plug	
Connector (female)			DRS2-2S	Socket	
			DCA1-5CSC5W1	Length (L): 0.5 m	
			DCA1-5CS01W1	Length (L): 1 m	
			DCA1-5CS02W1	Length (L): 2 m	Cable with connectors on both ends
		_ L	DCA1-5CS03W1	Length (L): 3 m	Cable with connectors on both ends
	6 7		DCA1-5CS05W1	Length (L): 5 m	
			DCA1-5CS10W1	Length (L): 10 m	
		L So mm	DCA1-5CSC5F1	Length (L): 0.5 m	
			DCA1-5CS01F1	Length (L): 1 m	
Connectors with Shielded			DCA1-5CS02F1	Length (L): 2 m	Cable with connector on one end (socket)
Cables			DCA1-5CS03F1	Length (L): 3 m	Cable with connector on one end (socket)
			DCA1-5CS05F1	Length (L): 5 m	
			DCA1-5CS10F1	Length (L): 10 m	1
			DCA1-5CSC5H1	Length (L): 0.5 m	
			DCA1-5CS01H1	Length (L): 1 m	
			DCA1-5CS02H1	Length (L): 2 m	Cable with connector on one end (plug)
		- L → 50 mm	DCA1-5CS03H1	Length (L): 3 m	Cable with connector on one end (plug)
			DCA1-5CS05H1	Length (L): 5 m	
			DCA1-5CS10H1	Length (L): 10 m	
)	DCN2-S4C5H1	4 ports, 0.5-m cable	
Shielded Branch Relay Box	Box		DCN2-S8C5H1	8 ports, 0.5-m cable	

● Environment-resistive Models for Thick Wires with 7/8-16UN Mini Connectors

Product	Appea	arance	Model		Specifications	
Sealed T-branch Connector			DCN3-11	T-branch Connector		
Society is successful and successful			DCN3-12	T-branch Connector (B	ranch connector is M12.)	
Sealed Connector with Terminating Resistor			DRS3-1	Plug		
			DCA2-5CN01W1	Length (L): 1 m		
	670		DCA2-5CN02W1	Length (L): 2 m	Cable with connectors on both ends	
		L	DCA2-5CN05W1	Length (L): 5 m	Cable with connectors on both ends	
	97		DCA2-5CN10W1	Length (L): 10 m		
			DCA2-5CN01F1	Length (L): 1 m		
		L 50 mm	DCA2-5CN02F1	Length (L): 2 m	Cable with connector on one and (socket)	
			DCA2-5CN05F1	Length (L): 5 m	Cable with connector on one end (socket)	
Cables with Sealed			DCA2-5CN10F1	Length (L): 10 m		
Connectors			DCA2-5CN01H1	Length (L): 1 m		
			50	DCA2-5CN02H1	Length (L): 2 m	Cable with connector on one and (plus)
			L — l mm	DCA2-5CN05H1	Length (L): 5 m	Cable with connector on one end (plug)
			DCA2-5CN10H1	Length (L): 10 m		
			DCA1-5CN01W5	Length (L): 1 m		
		(1)	DCA1-5CN02W5	Length (L): 2 m	Cable with connectors on both ends Thin cable	
	o '	L ——	DCA1-5CN05W5	Length (L): 5 m	M12 socket	
	● DE		DCA1-5CN10W5	Length (L): 10 m		
Panel-mounting Connector (female)			DCA2-5CNC5P1	Panel-mounting connec	ctor (socket) with 0.5-m cable	
Panel-mounting Connector (male)			DCA2-5CNC5M1	Panel-mounting connect	ctor (plug) with 0.5-m cable	
Panel-mounting Connector (male)			XS4M-D521-1	Panel-mounting connec DIP terminals	ctor (plug)	
Waterproof Cap (for Plug)		-	XS4Z-11			
Waterproof Cap (for Socket)		-	XS4Z-12	Used to cover an unused connector section.		

Specifications

● Environment-resistive Connection Products (for Thin Cable, M12 Micro Connectors)

Type	Connectors with Cables DCA1-5CN□□□1	T-branch Connector DCN2-1	Assembling-type Connector XS2□-D5S7	Connectors with Terminating Resistor DRS2-□		
Rated current	3 A	3A				
Rated voltage	125 VDC					
Contact resistance (connector)	40 m Ω max. (at 20 mVDC max. and	90 mΩ max. (at 20 mVDC max. and 100 mA max.)				
Insulation resistance	,000 M Ω min. (at 500 VDC)					
Dielectric strength (connector)	1,500 VAC for 60 seconds (leakage current: 1 mA max.)					
Ambient operating temperature	-20°C to 65°C					
Storage temperature range	-25°C to 70°C					
Degree of protection	IEC IP67					
Insertion durability	200 times					
Cable strength	98 N for 15 s					
Vibration resistance	No current interruptions of more than 1 µs while performing simple vibrations at either 10 to 500 Hz with 1.52-mm full amplitude or at acceleration 100 m/s², whichever is smaller					

● Environment-resistive Models (for Thin Wires and M12 Micro Connectors)

Туре	Connectors with Cables DCA1-5CS□□□1	T-branch Connector DCN2-1S	Connectors with Terminating Resistor	Branch Relay Box DCN2-S□C5H		
Item	DCA 1-3C3LLLL 1	DCN2-13	DRS2-□S	DCN2-3LC3H		
Rated current	3 A					
Rated voltage	125 VDC					
Contact resistance (connector)	40 m Ω max. (at 20 mVDC max. and	0 mΩ max. (at 20 mVDC max. and 100 mA max.)				
Insulation resistance	1,000 MΩ min. (at 500 VDC)	,000 M Ω min. (at 500 VDC)				
Dielectric strength (connector)	1,500 VAC for 60 seconds (leakage current: 1 mA max.) 1,000 VAC for 60 seconds					
Ambient operating temperature	-20°C to 65°C					
Storage temperature range	-25°C to 70°C					
Degree of protection	EC IP67					
Insertion durability	200 times					
Cable strength	98 N for 15 s					
Vibration resistance	No current interruptions of more than 1 µs while performing simple vibrations at either 10 to 500 Hz with 1.52-mm full amplitude or at acceleration 100 m/s², whichever is smaller					
Lock strength	Pulling: 100 N/15 s, Rotating: 1 N·m/15 s					
Lock force	0.1 to 0.25 N·m					

● Environment-resistive Models for Thick Wires with 7/8-16UN Mini Connectors

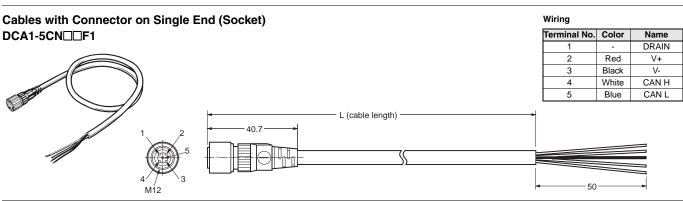
Type Item	Connectors with Thick Cables DCA2-5CN□□□1	Connectors with Thin Cables DCA1-5CN□□W5	T-branch Connector DCN3-11	T-branch Connector DCN3-12	Connectors with Terminating Resistor DRS3-1	Panel Mounting Connector DCA2-5CNC5P1	Panel Mounting Connector XS4M-D521-1
Rated current	8 A	3 A	8 A	3 A *	8 A		
Rated voltage	125 VDC	25 VDC					
Contact resistance (connector)	30 mΩ max. (at 20 n	0 mΩ max. (at 20 mVDC max. and 100 mA max.)					
Insulation resistance	1,000 M Ω min. (at 50	,000 MΩ min. (at 500 VDC)					
Dielectric strength (connector)	,500 VAC for 60 seconds (leakage current: 1 mA max.)						
Ambient operating temperature	20°C to 65°C						
Storage temperature range	-25°C to 70°C						
Degree of protection	IEC IP67	IEC IP67					
Insertion durability	200 times						
Cable strength	98 N for 15 s	98 N for 15 s 98 N for 15 s					
Vibration resistance	No current interruptions of more than 1 µs while performing simple vibrations at either 10 to 500 Hz with 1.52-mm full amplitude or at acceleration 100 m/s², whichever is smaller						

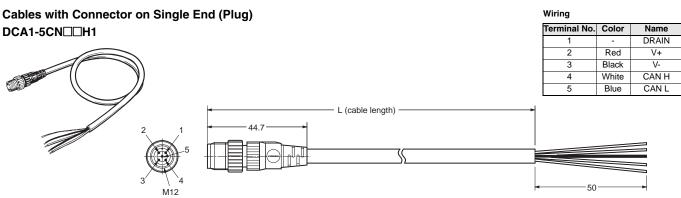
^{*} The rated current between thick wires is 8 A.

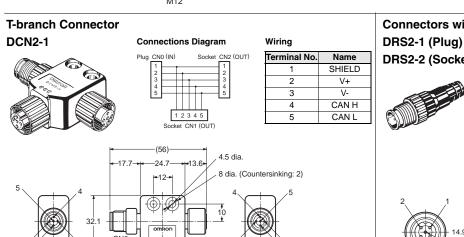
Dimensions

● Environment-resistive Connection Products (for Thin Cable, M12 Micro Connectors)

Cables with Connectors on Both Ends Wiring Terminal No. Color DCA1-5CN□□W1 Name DRAIN Red V+ Black White CAN H CAN L Blue L (cable length)







Connectors with Terminating Resistance

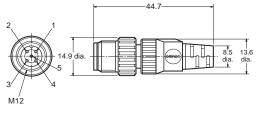
Wiring

DRS2-2 (Socket)



ierminai No.		Name
1	DRAIN	: NC
2	V+	: NC
3	V-	: NC
4	CAN H	: → 121 Ω
5	CAN L	: '-' '-'

Note: Terminating resistance (121 Ω) is connected between terminals 4 and 5.

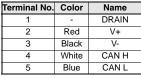


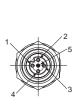
Note: The diagram shows the DRS2-1 (plug).

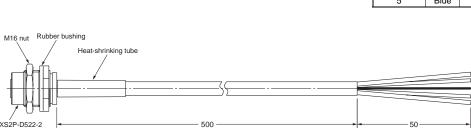
Panel-mounting Connector (Socket) with 0.5 m Cable DCA1-5CNC5P1

Wiring





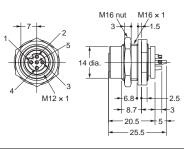


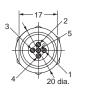


Panel-mounting Connector (Socket), Solder-cup Terminals XS2P-D522-2









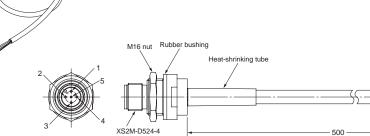


Panel-mounting Connector (Plug) with 0.5 m Cable DCA1-5CNC5M1

Wiring



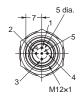


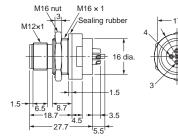


Panel-mounting Connector (Socket), Solder-cup Terminals XS2M-D524-4

Panel Cutout Dimensions





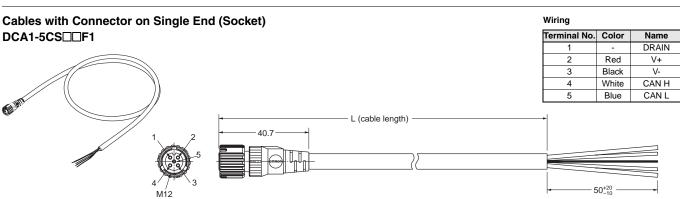


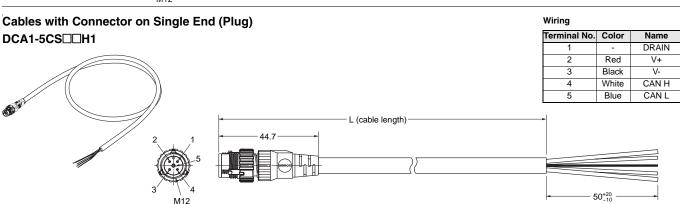


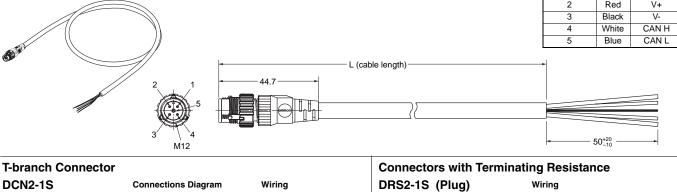


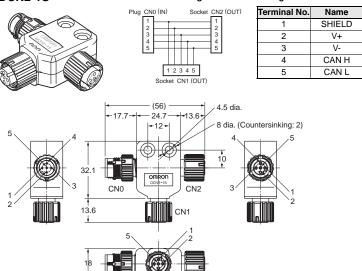
● Environment-resistive Models (for Thin Wires and M12 Micro Connectors)

Cables with Connectors on Both Ends Wiring Terminal No. Color DCA1-5CS□□W1 Name DRAIN Red V+ Black White CAN H CAN L Blue L (cable length)









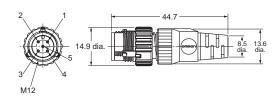
DRS2-2S (Socket)



Wiring

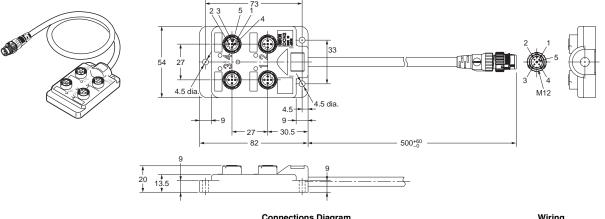
Terminal No.		Name
1	DRAIN	: NC
2	V+	: NC
3	V-	: NC
4	CAN H	: → 121 Ω
5	CAN L	: - 2 '2' 32

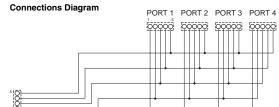
Note: Terminating resistance (121 Ω) is connected between terminals 4 and 5.



Note: The diagram shows the DRS2-1 (plug).

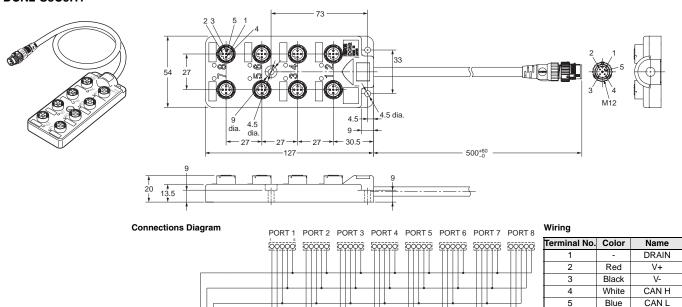
Shielded Branch Relay Box with Four Ports DCN2-S4C5H1





Wiring					
Terminal No.	Color	Name			
1	-	DRAIN			
2	Red	V+			
3	Black	V-			
4	White	CAN H			
5	Blue	CAN L			

Shielded Branch Relay Box with Eight Ports DCN2-S8C5H1

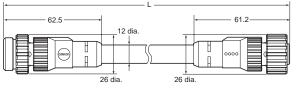


● Environment-resistive Models for Thick Wires with 7/8-16UN Mini Connectors

Thick Cable with Connectors on Both Ends (5 Conductors for Communications) DCA2-5CN□□W1





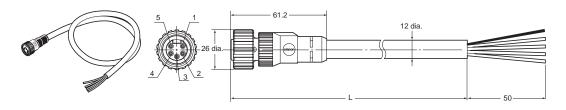




Wiring

=				
Terminal No.	Color	Name		
1	-	DRAIN		
2	Red	V+		
3	Black	V-		
4	White	CAN H		
5	Blue	CAN L		

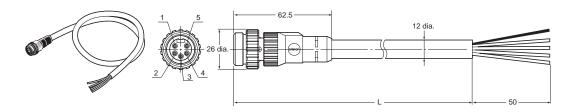
Thick Cable with Connector Socket on One End (5 Conductors for Communications) DCA2-5CN□□F1



Wiring

Terminal No.	Color	Name		
1	-	DRAIN		
2	Red	V+		
3	Black	V-		
4	White	CAN H		
5	Blue	CAN L		

Thick Cable with Connector Plug on One End (5 Conductors for Communications) DCA2-5CN□□H1



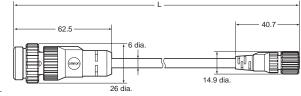
Wiring

Terminal No.	Color	Name
1	-	DRAIN
2	Red	V+
3	Black	V-
4	White	CAN H
5	Blue	CAN L

Thin Cable with Connectors on Both Ends (5 Conductors for Communications) DCA1-5CN□□W5







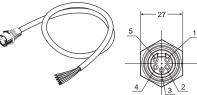


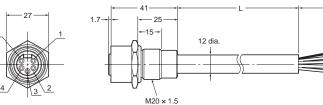
Wiring

Terminal No.	Color	Name
1	-	DRAIN
2	Red	V+
3	Black	V-
4	White	CAN H
5	Blue	CAN L

Thin Cable with Panel-mounting Connector Socket on One End (5 Conductors for Communications)

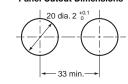
DCA2-5CNC5P1





Note: A rubber seal and nut for panel mounting are included.

Panel Cutout Dimensions

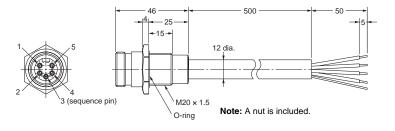


Wiring

Terminal No.	Color	Name
1	-	DRAIN
2	Red	V+
3	Black	V-
4	White	CAN H
5	Blue	CAN L

Panel-mounting Connector (Plug) with 0.5 m Cable DCA2-5CNC5M1



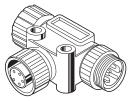


Wiring

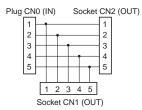
Terminal No.	Color	Name
1	-	DRAIN
2	Red	V+
3	Black	V-
4	White	CAN H
5	Blue	CAN L

T-branch Connector (5 Conductors for Communications, Thick Wire Branch Line)

DCN3-11

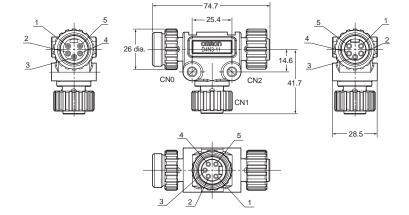


Connections Diagram



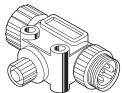
Wiring

Terminal No.	Name
1	DRAIN
2	V+
3	V-
4	CAN H
5	CAN L

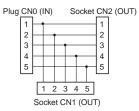


T-branch Connector (5 Conductors for Communications, Thin Wire Branch Line)

DCN3-12

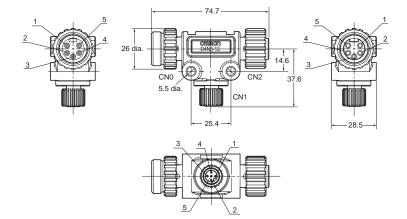


Connections Diagram



Wiring

Terminal No.	Name
1	DRAIN
2	V+
3	V-
4	CAN H
5	CAN L



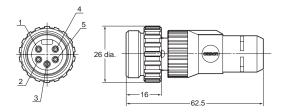
Connector (Plug) with Terminating Resistance DRS3-1



Wiring

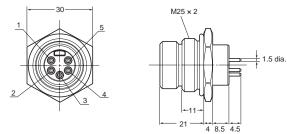
Terminal No.		Name
1	DRAIN	: NC
2	V+	: NC
3	V-	: NC
4	CAN H	⋮_} 121 Ω
5	CAN L	:

Note: Terminating resistance (121 Ω) is connected between terminals 4 and 5.



Panel-mounting Connector (5 Pins for Communications) XS4M-D521-1





Panel Cutout Dimensions

PCB Processing Dimensions 25 dia. 2 +0.1 5, 1.8 dia 37 min.

Note: A rubber seal and nut for panel mounting are included.

I/O Peripheral Devices

Applicable Connectors

● Assembly Connector Plugs for M12 Microconnectors

Appearance	Applicable cable	Cable direction No	Number of	of Connection method			
Арреагансе	diameter (mm)	Cable direction	poles	Crimping	Soldering	Screws	
	For 6 dia.	Straight		XS2G-D4C1	XS2G-D421	XS2G-D4S1	
	(5 to 6 dia.)	L-shaped			XS2G-D422	XS2G-D4S2	
	For 5 dia. (4 to 5 dia.)	Straight	ed 4	XS2G-D4C3	XS2G-D423	XS2G-D4S3	
		L-shaped				XS2G-D424	XS2G-D4S4
		Straight		XS2G-D4C5	XS2G-D425	XS2G-D4S5	
	(3 to 4 dia.)	L-shaped			XS2G-D426	XS2G-D4S6	
	For 7 dia. (6 to 7 dia.)	6 to 7 dia.)				XS2G-D4S9	
	For 8 dia. (7 to 8 dia.)	Straight		-	-	XS2G-D4S7	

Applicable Cables with Connectors

● Cables with Connector (Socket/Plug) on Both Ends (M12 Microconnectors for Power Supply and I/O)

Appearance	Cable direction	Number of core wires	Cable length (m)	Standard cable	Robot (earthquake-resistant) cable						
		4	1	XS2W-D421-C81-A	XS2W-D421-C81-R						
	Straight/Straight		2	XS2W-D421-D81-A	XS2W-D421-D81-R						
			5	XS2W-D421-G81-A	XS2W-D421-G81-R						
	L-shaped/L-shaped Straight/L-shaped		4	2	XS2W-D422-D81-A						
				4	4	4	4	4	4	5	XS2W-D422-G81-A
			2	XS2W-D423-D81-A							
		Straight/L-Shaped		5	XS2W-D423-G81-A	- -					
			2	XS2W-D424-D81-A							
	L-shaped/Straight		5	XS2W-D424-G81-A							

● Cables with connector plug on One End (M12 Microconnectors for I/O)

Appearance	Cable direction	Number of core wires	Cable length (m)	Standard cable
	Straight	3	0.3	XS2H-D421-AC0-A
		4		XS2H-D421-A80-A
	S. a.g. ii	3	1	XS2H-D421-CC0-A
		4		XS2H-D421-C80-A

● Plugs and Sockets on Y-shaped Joints (M12 Microconnectors for I/O)

Appearance	Cable	Connector	DC models	
Appearance		Connector	Cable length (m)	Model
	With cable	Connectors on both ends	0.5	XS2R-D426-B11-F
			1	XS2R-D426-C11-F
			2	XS2R-D426-D11-F
			3	XS2R-D426-E11-F
			2	XS2R-D426-D10-F
			5	XS2R-D426-G10-F
	Without cable	Connectors on both ends		XS2R-D426-1

 $\textbf{Note:} \ \, \textbf{Use is supported only for Environment-resistive Terminals (DRT2-\squareD16C(L)(-1))}.$

● Connector Cover for M12 Microconnectors

1	Appearance	Product	Model	Application
		Waterproof cover (socket)	XS2Z-22	For covering unused I/O connectors

Power Supply Peripheral Devices

Applicable Cables with Connectors

● Power Supply Connectors (7/8-16UN Miniconnectors)

Appearance	Product	Cable length L (mm)	Model
		1	XS4W-D421-101-A
		2	XS4W-D421-102-A
	← L →	5	XS4W-D421-105-A
Ø Jir		10	XS4W-D421-110-A
		1	XS4F-D421-101-A
		2	XS4F-D421-102-A
	L 50 mm	5	XS4F-D421-105-A
		10	XS4F-D421-110-A
		1	XS4H-D421-101-A
av ()		2	XS4H-D421-102-A
	L 50 mm	5	XS4H-D421-105-A
		10	XS4H-D421-110-A
	T-branch Connector		XS4R-D424-5
0 V	Panel mounting connector socket Cable: 50 cm		XS4P-D421-1C5-A
	Panel mounting connector plug DIP terminals		XS4M-D421-1
-	Waterproofing Cap for Plug		XS4Z-11
-	Waterproofing Cap for Socket		XS4Z-12

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