Peripheral Devices

General-purpose Peripheral Devices

Peripheral Devices for DeviceNet Communications

Ordering Information

General-purpose Models

Product	Appearance	Model	Specifica	ations	
		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		(X		(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		
XW4G-05C1-H1-D Conn XW4G-05C4-TF-D Parall Conn Connectors Parall Conn 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.		
		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)

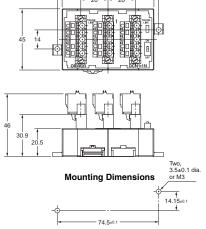
Rated current	Between main lines: 8 A (power supply line) and 2 A (signal line)		
nateu current	Between main and branch lines: 3 A (power supply line) and 1 A (signal line)		
Insulation resistance	100 M Ω min. (at 500 VDC)		
Dielectric strength	500 VAC for 1 min, leakage current: 1 mA max.		
Ambient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

Dimensions (Unit: mm)

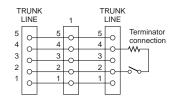
● General-purpose Models

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





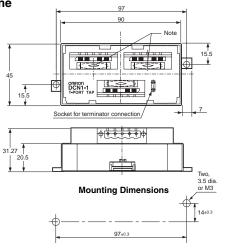
Internal Circuit



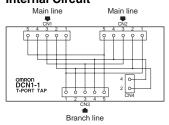
Terminal No.	Name
1	V-
2	CAN L
3	DRAIN
4	CAN H
5	V+

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





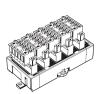
Internal Circuit

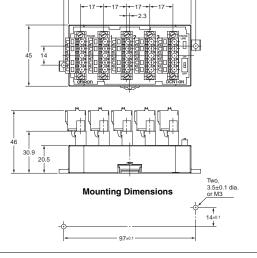


Terminal No.	Name
1	V-
2	CAN L
3	DRAIN
4	CAN H
5	V+

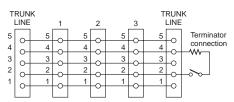
Note: When connecting a branch line to the main line, connect the main line to the connector marked with an asterisk because the resistance between the asterisks is minimal.

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

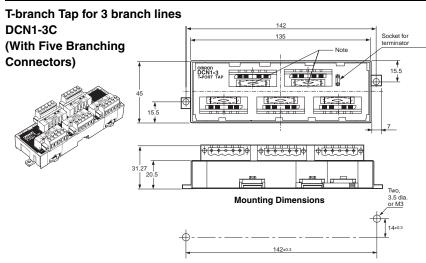




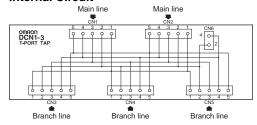
Internal Circuit



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



Internal Circuit

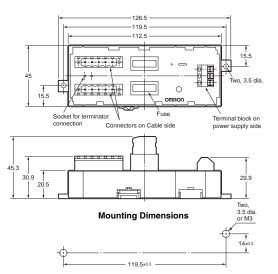


Terminal No.	Name	
1	V-	
2	CAN L	
3	DRAIN	
4	CAN H	
5	V+	

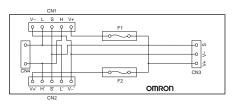
Note: When connecting a branch line to the main line, connect the main line to the connector marked with an asterisk because the resistance between the asterisked portion is minimal.

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





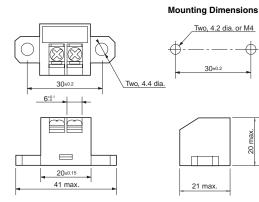
Internal Circuit



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

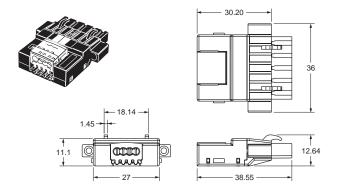
DRS1-T (Terminal-block Terminator)





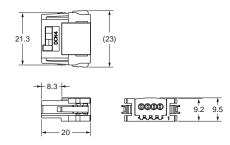
● Flat Cable

Connector for Flat Cable DCN4-SF4D



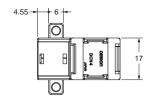
Conversion Connector for Standard Thin Cable and Flat Cable DCN4-BR4D

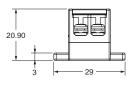


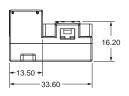


Power Supply Terminal Block with Terminating Resistance for Flat Cable



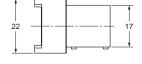




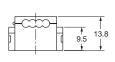


Flat Connector Socket DCN4-TR4



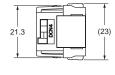






Flat Connector Plug DCN4-BR4









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

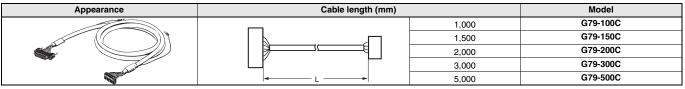
Applicable Connectors

	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 terminal	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
	Press-fit tool	57036-5000	Corresponding to 22 to 26 AWG	GTT-AD06WIX/GTT-DA04WIX	
		Fless-III 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		
(32 points)	Pressure-welde	Pressure-welded terminals			Digital I/O Units GT1-ID32ML(-1)/GT1-OD32ML(-1)
	Crimped termin	als	FCN363J040-AU		arribozwie (1)/arr obozwie (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

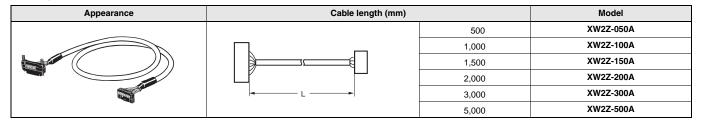
■ I/O Connector for Programmable Slaves

Applicable Connector Terminal Conversion Units

Applicable cable	Connected product	Remarks
XW2Z-□□□A	XW2D-20G6	Slim type (with M3 screw terminals)
AVVZZ-UUJA	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	Appea	arance	Model		Specifications
Sealed Assembling-type Connector (male)			XS2G-D5S7	For communications (plu	ig)
Sealed Assembling-type Connector (female)			XS2C-D5S7	For communications (so	cket)
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	
	L Somm		DCA1-5CNC5H1	Length (L): 0.5 m	
		DCA1-5CN01H1	Length (L): 1 m		
		DCA1-5CN02H1	Length (L): 2 m	1	
		L	DCA1-5CN03H1	Length (L): 3 m	Cable with connector on one end (plug)
			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	
	d Branch Relay Box		DCN2-S4C5H1	4 ports, 0.5-m cable	
Shielded Branch Relay 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	
Coded 1 Station Commencer			DCN3-12	T-branch Connector (Br	ranch connector is M12.)
Sealed Connector with Terminating Resistor			DRS3-1	Plug	
			DCA2-5CN01W1	Length (L): 1 m	
	610		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
	3		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		50	DCA2-5CN01H1	Length (L): 1 m	
			DCA2-5CN02H1	Length (L): 2 m	Cable with connector on one and (plus)
			L 30	DCA2-5CN05H1	Length (L): 5 m
			DCA2-5CN10H1	Length (L): 10 m	
			DCA1-5CN01W5	Length (L): 1 m	
			DCA1-5CN02W5	Length (L): 2 m	Cable with connectors on both ends Thin cable
		L ——	DCA1-5CN05W5	Length (L): 5 m	M12 socket
	● DE		DCA1-5CN10W5	Length (L): 10 m	
Panel-mounting Connector (female)			DCA2-5CNC5P1	Panel-mounting connect	ctor (socket) with 0.5-m cable
Panel-mounting Connector (male)			DCA2-5CNC5M1	Panel-mounting connector (plug) with 0.5-m cable	
Panel-mounting Connector (male)			XS4M-D521-1	Panel-mounting connect 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	DOA 1-3000001	DON2-10	DRS2-□S	DONZ-OLIOSIT		
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

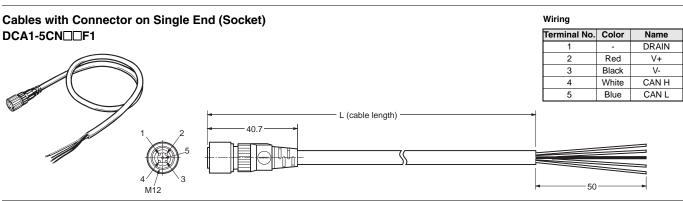
Type Item	Connectors with Thick Cables DCA2-5CN□□□1	Connectors with Thin Cables DCA1-5CN□□W5	T-branch Connector DCN3-11	T-branch Connector DCN3-12	Connectors with Terminating Resistor DRS3-1	Panel Mounting Connector DCA2-5CNC5P1	Panel Mounting Connector XS4M-D521-1
Rated current	8 A	3 A	8 A	3 A *	8 A		
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						

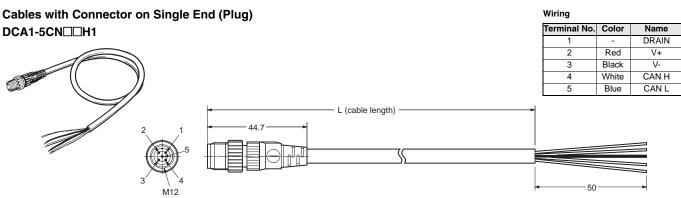
^{*} The rated current between thick wires is 8 A.

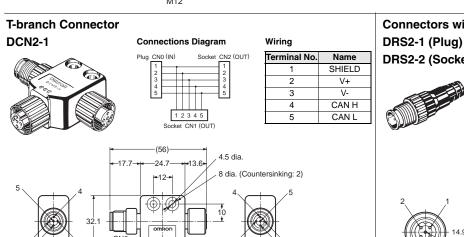
Dimensions

● 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

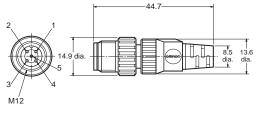
Wiring

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.

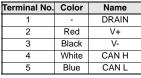


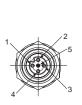
Note: The diagram shows the DRS2-1 (plug).

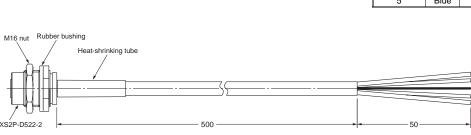
Panel-mounting Connector (Socket) with 0.5 m Cable DCA1-5CNC5P1

Wiring





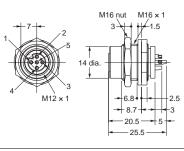


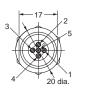


Panel-mounting Connector (Socket), Solder-cup Terminals XS2P-D522-2









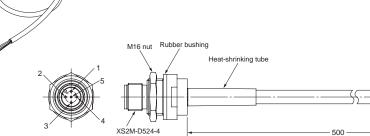


Panel-mounting Connector (Plug) with 0.5 m Cable DCA1-5CNC5M1

Wiring



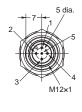


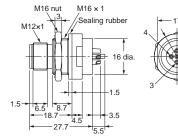


Panel-mounting Connector (Socket), Solder-cup Terminals XS2M-D524-4

Panel Cutout Dimensions





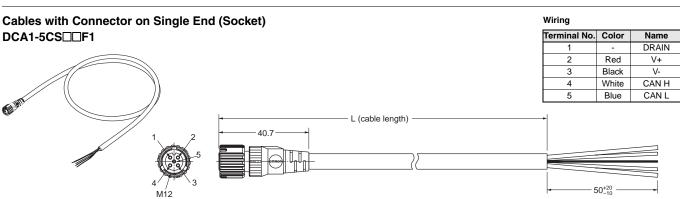


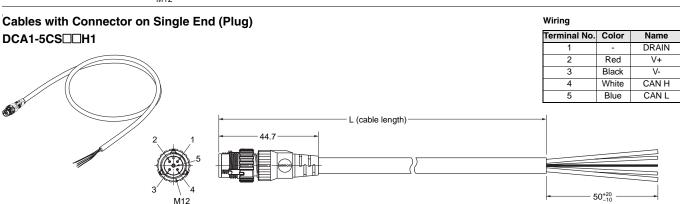


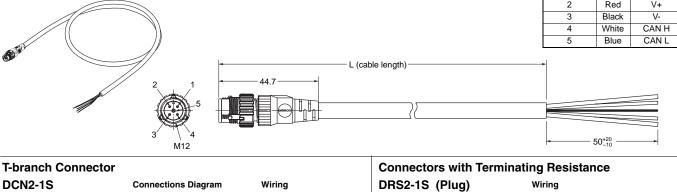


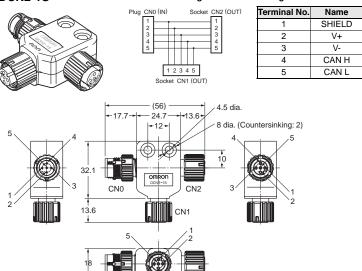
● Environment-resistive Models (for Thin Wires and M12 Micro Connectors)

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)









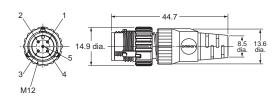
DRS2-2S (Socket)



Wiring

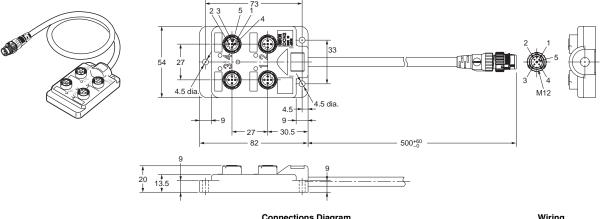
Terminal No.		Name
1	DRAIN	: NC
2	V+	: NC
3	V-	: NC
4	CAN H	: → 121 Ω
5	CAN L	: - 2 ' 2 ' 3 2

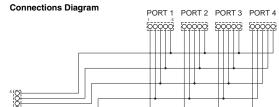
Note: Terminating resistance (121 Ω) is connected between terminals 4 and 5.



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

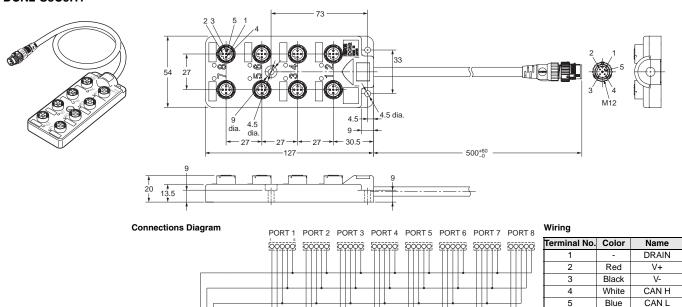
Shielded Branch Relay Box with Four Ports DCN2-S4C5H1





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

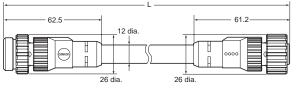


● Environment-resistive Models for Thick Wires with 7/8-16UN Mini Connectors

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





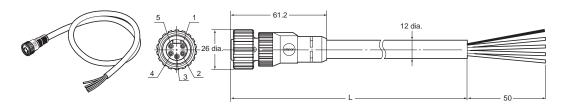




Wiring

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

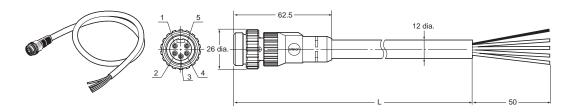
Thick Cable with Connector Socket on One End (5 Conductors for Communications) DCA2-5CN□□F1



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



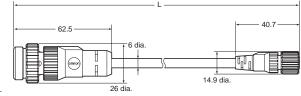
Wiring

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







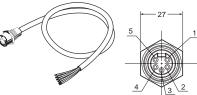


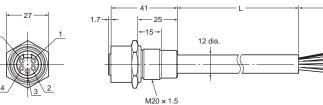
Wiring

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)

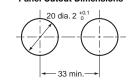
DCA2-5CNC5P1





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

Panel Cutout Dimensions

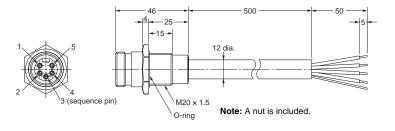


Wiring

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



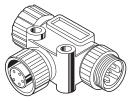


Wiring

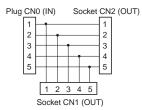
Terminal No.	Color	Name
1	-	DRAIN
2	Red	V+
3	Black	V-
4	White	CAN H
5	Blue	CAN L

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

DCN3-11

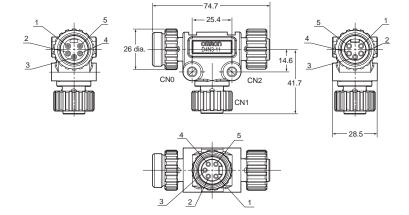


Connections Diagram



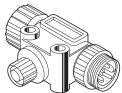
Wiring

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

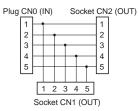


T-branch Connector (5 Conductors for Communications, Thin Wire Branch Line)

DCN3-12

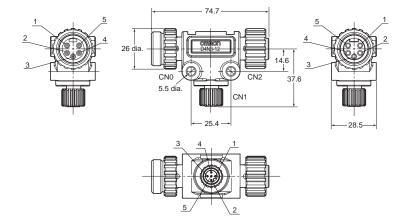


Connections Diagram



Wiring

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



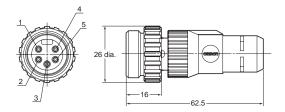
Connector (Plug) with Terminating Resistance DRS3-1



Wiring

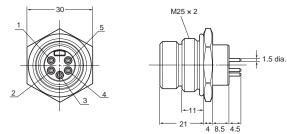
Terminal No.		Name
1	DRAIN	: NC
2	V+	: NC
3	V-	: NC
4	CAN H	⋮_} 121 Ω
5	CAN L	:

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 N	Number of				
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.) For 3 dia.	Straight	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	4	5	XS2W-D422-G81-A
			2	XS2W-D423-D81-A								
			5	XS2W-D423-G81-A	- -							
	L chanad/Straight		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	Connector	DC models		
Appearance		Connector	Cable length (m)	Model	
	With cable	Connectors on both ends Connector on one end	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

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
O The		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
ave ()		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

Read and Understand This Catalog

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments

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- Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this catalog.
- Nuclear energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
- Systems, machines, and equipment that could present a risk to life or property.

Please know and observe all prohibitions of use applicable to the products.

NEVER USE THE PRODUCTS FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCTS ARE PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

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OMRON shall not be responsible for the user's programming of a programmable product, or any consequence thereof.

Disclaimers

CHANGE IN SPECIFICATIONS

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It is our practice to change model numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the products may be changed without any notice. When in doubt, special model numbers may be assigned to fix or establish key specifications for your application on your request. Please consult with your OMRON representative at any time to confirm actual specifications of purchased products.

DIMENSIONS AND WEIGHTS

Dimensions and weights are nominal and are not to be used for manufacturing purposes, even when tolerances are shown.

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Performance data given in this catalog is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of OMRON's test conditions, and the users must correlate it to actual application requirements. Actual performance is subject to the OMRON Warranty and Limitations of Liability.

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The information in this document has been carefully checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical, or proofreading errors, or omissions.

2011.8

In the interest of product improvement, specifications are subject to change without notice.





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- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
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- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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