Peripheral Devices

General-purpose Peripheral Devices

Peripheral Devices for DeviceNet Communications

Ordering Information

• General-purpose Models

Product	Appearance	Model	Specifica	Specifications		
T-branch Tap for 1 branch line	and the second s	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		
		DCN1-1C	Cable wiring direction: Toward side Cable screw direction: From top Connector screw direction: From side	Provided with 3 parallel		
	and the second s	DCN1-2C	Cable wiring direction: Toward top Cable screw direction: From side Connector screw direction: From top	(XW4B-05C1-H1-D), standard terminating resistor		
	A CONTRACT OF A	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		
T-branch Tap for 3 branch lines		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		
	Constant of the	DCN1-3C	Cable wiring direction: Toward side Cable screw direction: From top Connector screw direction: From side	Provided with 5 parallel connectors with screws		
	all ar	DCN1-4C	Cable wiring direction: Toward top Cable screw direction: From side Connector screw direction: From top	(XW4B-05C1-H1-D), standard terminating resistor		
	and the second sec	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	North Contraction of the second secon	DCN1-1P	Tap provided with 2 connectors, standard terminating resistor, and fuse			

OMRON

(Unit: mm)

Dimensions

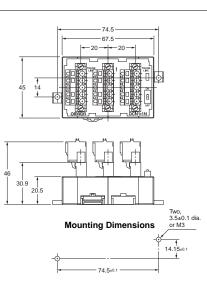
DCN1-1NC

Connectors)

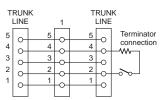
General-purpose Models

(With Three Branching

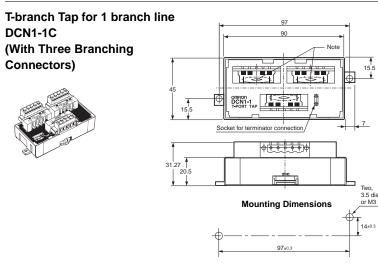
T-branch Tap for 1 branch line



Internal Circuit



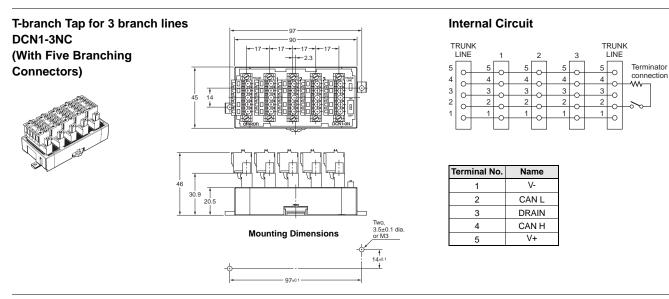
Terminal No.	Name	
1	V-	
2	CAN L	
3	DRAIN	
4	CAN H	
5	V+	



Internal Circuit Main line Main line

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.



Peripheral Devices

Models for Standard Cables

Product	Appearance	Specificati	ons	Model
T-branch Tap for	North Control	Cable wiring direction: Toward top Cable lock direction: From top Connector screw direction: From top		DCN1-1NC
		Cable wiring direction: Toward side Cable screw direction: From top Connector screw direction: From side 3 parallel connectors with screws		DCN1-1C
1 branch line	and the second s	Cable wiring direction: Toward top Cable screw direction: From side Connector screw direction: From top		DCN1-2C
		Cable wiring direction: From side Cable screw direction: From top Connector screw direction: From top	3 vertical-type connectors with screws (XW4B-05C1-VIR-D), standard terminating resistor	DCN1-2R
	and the second second	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	DCN1-3NC
Thread To for	Cart and and	Cable wiring direction: Toward side Cable screw direction: From top Connector screw direction: From side	5 parallel connectors with screws	DCN1-3C
T-branch Tap for 3 branch lines	and the second second	Cable wiring direction: Toward top Cable screw direction: From side Connector screw direction: From top	 (XW4B-05C1-H1-D), standard terminating resistor 	DCN1-4C
	C.	Cable wiring direction: Toward side Cable screw direction: From top Connector screw direction: From top	5 vertical-type connectors with screws (XW4B-05C1-VIR-D), standard terminating resistor	DCN1-4R
Power Supply Tap	A CONTRACT	2 connectors, standard terminating resistor, fuse		DCN1-1P
		Parallel clamp connector with screws (Connector insertion and wiring performed in th	XW4G-05C1-H1-D	
		Parallel multi-branching clamp connector with a (Connector insertion and wiring performed in s	XW4G-05C4-TF-D	
		Parallel connector with screws (Connector insertion and wiring performed in the	XW4B-05C1-H1-D	
Connector		Parallel connector with screws (Connector insertion and wiring performed in the	XW4B-05C4-T-D	
		Parallel, multi-branching connector with screws (Connector insertion and wiring performed in th	XW4B-05C4-TF-D	
		Orthogonal connector with screws (Connector insertion and wiring performed at a	XW4B-05C1-VIR-D	
Special Cables		Thin cable Length: 100 m DCA1-5C10-B: Cable color: Blue DCA1-5C10: Cable color: Grey		DCA1-5C10(-B)
		Thick cable Length: 100 m DCA2-5C10-B: Cable color: Blue DCA2-5C10: Cable color: Grey	DCA2-5C10(-B)	
Terminal-block Terminator		Resistance of 121 Ω	DRS1-T	

Overview **Peripheral Devices** Network Introducing Specifications DeviceNet Products Standard Cables P. 138 T-branch Taps Connectors **Parallel Connector** Multi-branch Parallel Parallel Parallel Orthogonal with Screws **Connector with Screws** Connectors Connectors Connectors XW4B-05C1-H1-D XW4B-05C4-TF-D with Screws with Screws with Screws DCN1-1C DCN1-2C DCN1-2R ŭūūū Parallel Parallel Orthogonal DRT2-series Smart Slaves Connectors Connectors Connectors Multi-branch Parallel **Orthogonal Connector** with Screws with Screws with Screws **Connector without Screws** with Screws DCN1-3C DCN1-4C DCN1-4R XW4B-05C4-T-D XW4B-05C1-VIR-D Parallel Parallel MULTIPLE I/O SmartSlice TERMINAL Series GRT1 Series Connectors Connectors with Clamps with Clamps Parallel Connector with Multi-branch Parallel DCN1-1NC DCN1-3NC Screw-less Clamps **Connector with** XW4G-05C1-H1-D Screw-less Clamps XW4G-05C4-TF-D DeviceNet Standard Cables Power Supply Tap Terminal-block Terminator Intelligent Slaves DRS1-T Thin Cable **Thick Cable** DCA1-5C10(-B) DCA2-5C10(-B) DCN1-1P Configurator DeviceNet and Software Safety System Flat Cables P. 140

Flat Cable Connector DCN4-SF4D



Flat Connector Socket DCN4-TR4





Flat connector Plug DCN4-BR4

Power Supply Terminal Block





Special Tool for Flat Cable DWT-A01

Flat Cable

Terminating Resistor

DCN4-TM4

DCA4-4F10

Peripheral Devices

Master Units