



Field Network Devices


DeviceNet Digital Remote I/O, Standard Terminal Block · Sensor Connector Type /
 USB ↔ RS485 · RS232C ↔ RS485 · USB ↔ Serial Converter


Series	Network	Type		Number Of I/Os	
		Digital	Analog	Input	Output
DeviceNet Digital Remote I/O Standard Terminal Block ARD-D Series  W105×H52×L38.5mm	DeviceNet	●	—	8-point (AC voltage)	—
				16-point (NPN)	—
				16-point (PNP)	—
	DeviceNet	●	—	—	8-point (relay)
				—	8-point (SSR)
				—	16-point (NPN)
				—	16-point (PNP)
	DeviceNet	●	—	8-point (NPN)	8-point (NPN)
				8-point (PNP)	8-point (PNP)

※1. Expansion units (ARD-D□□□E) of ARD-D Series (digital, terminal block type) are available to order separately.

























DeviceNet Digital Remote I/O Sensor Connector Type ARD-D Series  W26×H76×L54mm	DeviceNet	●	—	8-point (NPN)	—
				8-point (PNP)	—
	DeviceNet	●	—	—	8-point (NPN)
				—	8-point (PNP)

※2. Expansion units (ARX-D□□□-4S) of ARD-D Series (digital, sensor connector type) are available to order separately.

DeviceNet Analog Remote I/O Standard Terminal Block ARD-A Series  W105×H52×L38.5mm	DeviceNet	—	●	4-CH (switchable DC voltage / current)	—
	DeviceNet	—	●	—	4-CH (DC voltage 2-CH, DC current 2-CH)




Modbus Digital Remote I/O Sensor Connector Type ARM Series  W26×H76×L54mm	Modbus	●	—	8-point (NPN)	—
				8-point (PNP)	—
	Modbus	●	—	—	8-point (NPN)
				—	8-point (PNP)




※3. Expansion units (ARX-D□□□-4S) of ARM Series (digital, sensor connector type) are available to order separately.

I/O Specifications	Structure	Power Supply	Protection Structure	Approval	Model
Voltage: 75-250VAC Current: 13mA/point	Basic unit ^{*1}	24VDC	IP20		ARD-DI08A
Voltage: 10-28VDC Current: 10mA/point				 	ARD-DI16N
Voltage: 10-28VDC Current: 10mA/point				 	ARD-DI16P
Normally open (N.O.) 250VAC 2A 1a	Basic unit ^{*1}	24VDC	IP20		ARD-DO08R
Voltage: 30-250VAC Current: 1A/point					ARD-DO08S
Voltage: 10-28VDC (voltage drop: max. 0.5V) Current: 0.5A/point (leakage current: max. 0.5mA)				 	ARD-DO16N
Voltage: 10-28VDC (voltage drop: max. 0.5V) Current: 0.5A/point (leakage current: max. 0.5mA)				 	ARD-DO16P
Voltage: 10-28VDC (voltage drop: max. 0.5V) Current: Input 10mA, Output 0.5A/point (leakage current: max. 0.5mA)	Basic unit ^{*1}	24VDC	IP20	 	ARD-DX16N
Voltage: 10-28VDC (voltage drop: max. 0.5V) Current: Input 10mA, Output 0.5A/point (leakage current: max. 0.5mA)				 	ARD-DX16P
Voltage: 10-28VDC Current: 10mA/point (sensor supplied current: 150mA/point)	Basic unit ^{*2}	24VDC	IP20	 	ARD-DI08N-4S
Voltage: 10-28VDC Current: 10mA/point (sensor supplied current: 150mA/point)					ARD-DI08P-4S
Voltage: 10-28VDC (voltage drop: max. 0.5V) Current: 0.3A/point (leakage current: max. 0.5mA)	Basic unit ^{*2}	24VDC	IP20	 	ARD-DO08N-4S
Voltage: 10-28VDC (voltage drop: max. 0.5V) Current: 0.3A/point (leakage current: max. 0.5mA)					ARD-DO08P-4S
Voltage: 0-10VDC, -10-10VDC, 0-5VDC, 1-5VDC, -5-5VDC (input impedance: max. 1MΩ) Current: DC4-20mA, DC0-20mA (input impedance: 250Ω)	Basic unit	24VDC	IP20	 	ARD-AI04
Voltage: 0-10VDC, -10-10VDC, 0-5VDC, 1-5VDC, -5-5VDC (load resistance: max. 1kΩ) Current: DC4-20mA, DC0-20mA (load resistance: 600Ω)	Basic unit	24VDC	IP20	 DeviceNet compatible	ARD-AO04
Voltage: 10-28VDC Current: 10mA/point (sensor supplied current: 150mA/point)	Basic unit ^{*3}	24VDC	IP20		ARM-DI08N-4S
Voltage: 10-28VDC Current: 10mA/point (sensor supplied current: 150mA/point)					ARM-DI08P-4S
Voltage: 10-28VDC (voltage drop: max. 0.5V) Current: 0.3A/point (leakage current: max. 0.5mA)	Basic unit ^{*3}	24VDC	IP20		ARM-DO08N-4S
Voltage: 10-28VDC (voltage drop: max. 0.5V) Current: 0.3A/point (leakage current: max. 0.5mA)					ARM-DO08P-4S

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Series	Converting Signal	Available Communication Distance	Insulation	
			Insulated	Non-Insulated
USB/RS485 Converter SCM-US48I  W39×H23.5×L75.5mm	USB ↔ RS485	USB: Max. 1m ± 30% RS485: Max. 1.2km	●	—
RS232C/RS485 Converter SCM-38I  W39×H23.5×L75.5mm	RS232C ↔ RS485	RS485: Max. 1.2km	●	—
USB/Serial Converter SCM-US  W52×H18×L8mm	USB ↔ Serial	1.5m (not extended)	—	●

Connection Method	Power Supply	Protection Structure	Approval	Model
USB: B type connector RS485: 4-wire screw terminal (2-wire communication method)	5VDC USB bus power	—	CE 	SCM-US48I
RS232C: D-sub 9-pin RS485: 4-wire screw terminal (2-wire communication method)	12-24VDC	—	CE 	SCM-38I
USB: A type connector Earphone-jack (4-stereo phone plug)	5VDC USB bus power	—	CE 	SCM-US