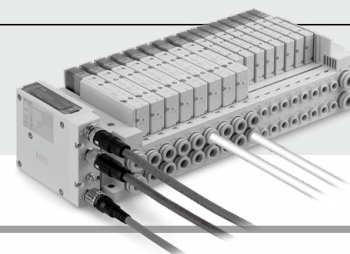


Power Supply Cable/Connector

EX260 Series



Specifications

Description		Power supply cable (With connector on one side)				
Part no. (Cable length)	26 EX500-AP010-S (1 m) EX500-AP050-S (5 m)	27 EX500-AP010-A (1 m) EX500-AP050-A (5 m)	28 PCA-1401804 (1.5 m) PCA-1401805 (3 m) PCA-1401806 (5 m)	29 EX9-AC010-1 (1 m) EX9-AC030-1 (3 m) EX9-AC050-1 (5 m)	30 PCA-1401807 (1.5 m) PCA-1401808 (3 m) PCA-1401809 (5 m)	
Protocol	PROFIBUS DP, DeviceNet®, EtherCAT, PROFINET, EtherNet/IP™			CC-Link		
Number of functional poles	M12: 5 pins					
Key type	A-coded			B-coded		
Wiring	Cable O.D.	6 mm	5 mm	6.6 mm	5 mm	
	Conductor nominal cross section	0.3 mm²/AWG22	AWG22	0.3 mm²/AWG22	AWG22	
	Wire O.D. (Including insulating material)	1.5 mm	1.27 mm	1.65 mm	1.27 mm	
Rating/Performance	Rated current	3 A	4 A	3.1 A	4 A	
	Rated voltage	125 V	60 V	125 V	60 V	
	Contact resistance	40 mΩ or less	5 mΩ or less	40 mΩ or less	5 mΩ or less	
	Insulation resistance	1000 MΩ or more	100 MΩ or more	1000 MΩ or more	100 MΩ or more	
	Withstand voltage	1.5 kV	1.0 kV	1.5 kV	1.0 kV	
	Ambient temperature	Connector	-25 to +60°C	-40 to +80°C	-25 to +60°C	-40 to +80°C
		Cable	-25 to +60°C	-40 to +80°C	-25 to +60°C	-40 to +80°C
	Min. bending radius (Fixed)	40 mm	21.7 mm	40 mm	21.7 mm	
	Protection class	IP67 (Only with screw tightened)				
	Allowable repeated insertion/withdrawal	200				
Material	Material of knurl	Brass (Nickel plating)	Zinc die-cast (Nickel plating)	Brass (Nickel plating)	Zinc die-cast (Nickel plating)	
	Contact (Surface treatment)	Phosphor bronze (Au plating)	CuSn (Au plating)	Phosphor bronze (Au plating)	CuSn (Au plating)	
	Connector material	Soft PBT (UL94 V0)	TPU (UL94 HB)	Soft PBT (UL94 V0)	TPU (UL94 HB)	
	Material of sheath (Sheath color)	PVC (Light gray)	PUR (Black-Gray (RAL 7021 equiv.))	PVC (Light gray)	PUR (Black-Gray (RAL 7021 equiv.))	
Weight	1 m: Approx. 80 g 5 m: Approx. 395 g	1 m: Approx. 85 g 5 m: Approx. 400 g	1.5 m: Approx. 65 g 3 m: Approx. 130 g 5 m: Approx. 195 g	1 m: Approx. 85 g 3 m: Approx. 215 g 5 m: Approx. 345 g	1.5 m: Approx. 65 g 3 m: Approx. 130 g 5 m: Approx. 195 g	

Power Supply Cable

For PROFIBUS DP For DeviceNet® For EtherCAT For PROFINET For EtherNet/IP™

26 27 EX500-AP **050** - **S**

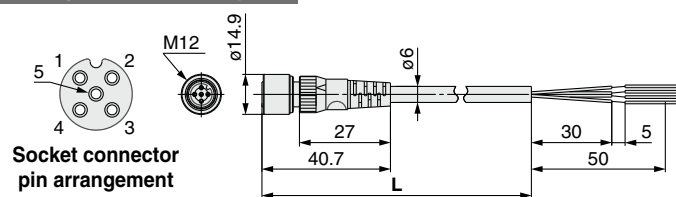
Cable length (L)

010	1000 mm
050	5000 mm

Connector specification

S	Straight
A	Angle

Straight connector type



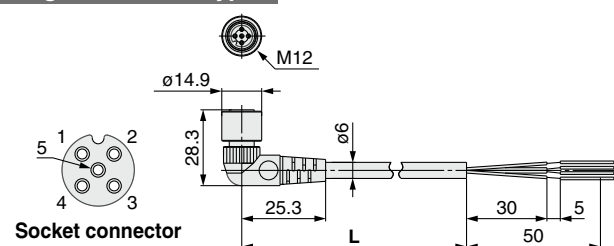
Item	Specifications
Cable O.D.	ø6 mm
Conductor nominal cross section	0.3 mm²/AWG22
Wire O.D. (Including insulator)	1.5 mm
Min. bending radius (Fixed)	40 mm

Terminal no.

1	Brown: 24 VDC +10%/-5% (Valve power supply)
2	White: 0 V (Valve power supply)
3	Blue: 24 VDC ±10% (Power supply for control)
4	Black: 0 V (Power supply for control)
5	Gray: Not connected

Connections (PROFIBUS DP/EtherCAT/PROFINET)

Angle connector type



Item	Specifications
Cable O.D.	ø6 mm
Conductor nominal cross section	0.3 mm²/AWG22
Wire O.D. (Including insulator)	1.5 mm
Min. bending radius (Fixed)	40 mm

Terminal no.

1	Brown: Not connected*1, 24 VDC±10% (Power supply for control)*2
2	White: 24 VDC +10%/-5% (Valve power supply)
3	Blue: Not connected*1, 0 V (Power supply for control)*2
4	Black: 0 V (Valve power supply)
5	Gray: Not connected

Connections (DeviceNet®, EtherNet/IP™)

*1 For DeviceNet®
*2 For EtherNet/IP™

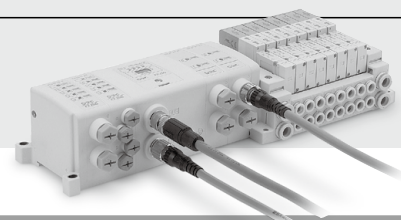


Made to Order

Cable length	10000 mm	p. 247
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Power Supply Cable

EX250 Series



Specifications

Description		Power supply cable (With connector on one side)	
Part no. (Cable length)		EX9-AC010-1 (1 m) 29 EX9-AC030-1 (3 m) EX9-AC050-1 (5 m)	26 EX500-AP010-S (1 m) EX500-AP050-S (5 m)
Protocol		CC-Link, DeviceNet®, CANopen	PROFIBUS DP, EtherNet/IP™
Number of functional poles		M12: 5 pins	M12: 5 pins
Key type		B-coded	A-coded
Wiring	Cable O.D.	6.6 mm	6 mm
	Conductor nominal cross section	0.3 mm ² /AWG22	0.3 mm ² /AWG22
	Wire O.D. (Including insulating material)	1.65 mm	1.5 mm
Rating/Performance	Rated current		3.1 A
	Rated voltage		125 V
	Contact resistance		40 mΩ or less
	Insulation resistance		1000 MΩ or more
	Withstand voltage		1.5 kV
	Ambient temperature	Connector	–25 to +60°C
		Cable	–25 to +60°C
	Min. bending radius (Fixed)		40 mm
	Protection class		IP67 (Only with screw tightened)
	Allowable repeated insertion/withdrawal		200
Material	Material of knurl		Brass (Nickel plating)
	Contact (Surface treatment)		Phosphor bronze (Au plating)
	Connector material		Soft PBT (UL94 V0)
	Material of sheath (Sheath color)		PVC (Light gray)
Weight		1 m: Approx. 85 g 3 m: Approx. 215 g 5 m: Approx. 345 g	1 m: Approx. 80 g 5 m: Approx. 395 g