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Data sheet 6XV1801-5GN15

Product type designation
Product description

Power Connecting Cable M12-90/M12-90
Flexible plug-i...able outl002
Power connecting cable M12-90/M12-90 for power supply of the ET200, pre-assembled cable with M12 connector and M12 socket, A-coded, 4 pin, 15 m



Figure similar

Suitability for use	Plug-in cable for connecting 24 V power supply to ET 200 & XP-200 with IP 65/67 degree of protection
Cable designation	LI9YH-Y 4x0.75
Wire length	15 m
Electrical data	
Operating voltage / RMS value	300 V
Conductor cross section / of the power wire	0.75 mm²
Mechanical data	
Number of electrical cores	4
Type of electrical connection	M12-180
Outer diameter	
• of inner conductor	1.1 mm
• of the wire insulation	1.7 mm
• of cable sheath	5.7 mm
Symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm

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Design of stranding element	Pairs
Conductor class	5
Material	
• of the conductor	CU, blank
• of the wire insulation	PP
• of cable sheath	PVC
Product component / PE connection	No
Marking / of cores	Color
Color	
• of the power wire insulation	brown / white / blue / black
• of cable sheath	gray
Bending radius	
• with single bend / minimum permissible	57 mm
• with multiple bends / minimum permissible	57 mm
• with continuous bending	57 mm
Number of bending cycles	100000
Tensile load / maximum	15 N
Weight per length	54 kg/km

connector

Type of plug interlock	screwed
Design of plug-in connection	M12-90
Connector coding	M12
Connector coding / of the M12 circular connector	A coded

Ambient conditions

Ambient temperature	
• during operation	-25 ... +80 °C
• during storage	-25 ... +80 °C
• during transport	-25 ... +80 °C
• during installation	80 °C
• Note	With moving applications, the permissible operating temperature range is -5 to +80 degrees Celsius
Burning behavior	Flame-resistant acc. to UL 758 (CSA FT 1)
Chemical resistance	
• to mineral oil	Conditional resistance
• to grease	Conditional resistance
Radiological resistance / to UV radiation	not resistant
Protection class IP	IP65 / 67

Product features, product functions, product components / general

Product feature	
• halogen-free	No
• silicon-free	Yes

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Standards, specifications, approvals	
Certificate of suitability	
• RoHS conformity	Yes

Further information / Internet-Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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