chanhvinh.com

SIEMENS

Data sheet 6XV1801-5DH20

product type designation	**Power Connecting Cable M12-180/M12-180**
product description	Flexible plug-i...able outl001
	Power connecting cable M12-180/M12-180 for the power supply of the ET 200, pre-assembled cable with M12 plug and M12 socket, A-coded, 4-pole, 2.0 m.



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	2 m
electrical data	
operating voltage / RMS value	300 V
conductor cross section / of the power line	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
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 line 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
plug	
type of plug interlock	screwed
design of plug-in connection	M12-180
connector coding	M12
connector coding / of the M12 circular connector	A coded

Subject to change without notice
© Copyright Siemens

chanhvinh.com

ambient conditions	
ambient temperature	
● during operation	-25 ... +80 °C
● during storage	-25 ... +80 °C
● during transport	-25 ... +80 °C
● during installation	80 °C
ambient condition / for operation	With moving applications, the permissible operating temperature range is -5 to +80 degrees Celsius
fire 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
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	Yes; AWM 2464/10493 AWM I/II A/B 80°C 300V FT1
certificate of suitability	UL2238 E300110
● EAC approval	Yes
● RoHS conformity	Yes
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● 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: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
● 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

last modified: 11/9/2023

Subject to change without notice
© Copyright Siemens