DATASHEET - SWD4-1M5LR4P-2S

MB-Power-cable, IP67, 1.5 m, 4 pole, Prefabricated with 7/8" plug and 7/8" socket

Part no. **SWD4-1M5LR4P-2S**
183211

General specifications	
Product name	Eaton SWD4 Accessory MB-Power-cable
Part no.	SWD4-1M5LR4P-2S
EAN	4015081781447
Product Length/Depth	307.692 millimetre
Product height	51.282 millimetre
Product width	307.692 millimetre
Product weight	0.409 kilogram
Certifications	CSA UL
Product Tradename	SWD4
Product Type	Accessory
Product Sub Type	MB-Power-cable
Catalog Notes	Condensation: permissible
Features & Functions	
Features	Radial water blocking cable Oil resistant (acc. IEC 60811-404) Oil resistant (acc. EN 60811-404) Longitudinal water blocking cable
Fitted with:	7/8" socket 7/8" plug
Functions	For directly connecting the power supply to EU6E.., EU8E.. IP67 SmartWire-DT modules
General information	
Cable length	1.5 m
Number of Poles	Four-pole
Outer diameter - approximate	11 mm
Outer sheath material	Polyvinyl chloride (PVC)
Permitted bending radius, moving application with free movement - min	0 mm
Product category	SmartWire-DT accessories
Suitable as	Signaling cable
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Safety	
Flame retardant	In accordance with EN 60332-1-2
Design verification	
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	0 W
Rated operational current for specified heat dissipation (In)	0 A
Static heat dissipation, non-current-dependent Pvs	0 W
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of assemblies			Meets the product standard's requirements.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 9.0

Cables (EG000001) / Data and communication cable (EC003249)			
Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data and communication cable (copper) (ecl@ss13-27-06-18-01 [AKE197019])			
Cable type			Other
Duplex			No
Conductor material			Other
Conductor surface			Bare
Diameter conductor		mm	1.5
Nominal cross section conductor		mm^2	0.5
AWG size			20
Conductor category			Class 2 = stranded
Number of cores			4
Number of stranding elements			26
Stranding element			Pairs
Material core insulation			Other
Specification core insulation			Other
Core identification according to HD 308 S2			No
Core identification			Colour
Screen over stranding element			Foil
Stranding			Bundle
Screen over stranding			None
Longitudinal water blocking cable			Yes
Radial water blocking cable			Yes
Suitable for underground installation			No
Approved type of underground installation			Other
Protective sheath			Other
Material outer sheath			Polyvinyl chloride (PVC)
Specification material outer sheath			Other
Colour outer sheath			Black
Number of sheath layers			0
Armouring/reinforcement			None
Material armouring			Other
Cable geometry			Round
Flame retardant according to IEC 60332-1-2			No
Flame retardant according to IEC 60332-3-21 (Cat A F/R)			No
Flame retardant according to IEC 60332-3-22 (Cat A)			No
Flame retardant according to IEC 60332-3-23 (Cat B)			No
Flame retardant according to IEC 60332-3-24 (Cat C)			No
Flame retardant according to IEC 60332-3-25 (Cat D)			No

Low smoke according to EN IEC 61034-2		No
Halogen free according to EN IEC 60754-1		No
Halogen free according to EN IEC 60754-2		No
Halogen free according to EN IEC 60754-3		No
Reaction-to-fire according to EN 13501-6: Class		None
Reaction-to-fire according to EN 13501-6: Smoke production		None
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles		None
Reaction-to-fire according to EN 13501-6: Acidity		None
Circuit integrity according to IEC 60331-23		No
Oil resistant according to EN IEC 60811-404		Yes
Outer diameter approx.	mm	11
Min. permitted bending radius, moving application with forced guidance	mm	0
Min. permitted bending radius, moving application/free movement	mm	0
Min. permitted bending radius, stationary application/permanent installation	mm	64
Permitted cable outer temperature during assembling/handling	°C	-25 - 70
Permitted cable outer temperature after assembling without vibration	°C	-25 - 70
Category		Other
NVP value	%	66.5
UV resistant		No
Certified for shipboard application		No
Segregation class according to EN 50174-2		
Suitable as telephone cable		No
Suitable as computer data cable		No
Suitable as signalling cable		Yes
Suitable for use as security alarm cable		No
Drain wire		No
With rip cord		No
Cable width approx.	mm	5.6
Cable height approx.	mm	51.282
Weight	kg/km	
Characteristic impedance	Ohm	100
Max. tensile strength during installation	kN	
Nominal voltage U	V	24
With rodent protection		No
Circuit integrity according to DIN 4102-12		
Compatible with Grade2TV according to XP-C 90-483		No
Compatible with Grade3TV according to XP-C 90-483		No
Cable type according to BS 4737-3.30		
Rip cord colour according to BS 4737-3.30		
Compliant with BT (British Telecom) specification		

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