DATASHEET - SWD4-20LR4P-S

MB-Power-cable, IP67, 20 m, 4 pole, Prefabricated on one side with 7/8" straight socket

Part no. **SWD4-20LR4P-S**
183207

General specifications	
Product name	Eaton SWD4 Accessory MB-Power-cable
Part no.	SWD4-20LR4P-S
EAN	4015081781409
Product Length/Depth	307.692 millimetre
Product height	102.564 millimetre
Product width	307.692 millimetre
Product weight	3.273 kilogram
Certifications	UL CSA
Product Tradename	SWD4
Product Type	Accessory
Product Sub Type	MB-Power-cable
Catalog Notes	Condensation: permissible
Features & Functions	
Features	UV resistant Radial water blocking cable Oil resistant (acc. IEC 60811-404) Oil resistant (acc. EN 60811-404)
Fitted with:	7/8" straight socket on one side
Functions	For directly connecting the power supply to EU6E.., EU8E.. IP67 SmartWire-DT modules
General information	
Cable length	20 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		No
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		Polypropylene (PP)
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		Yes
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	102.564
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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