

Flat cable, SmartWire-DT, 3 m, 8-Pole, prefabricated with 2 blade terminals SWD4-8MF2


Part no. SWD4-3LF8-24-2S
Catalog No. 116027

EL-Nummer (Norway) 4519784

Similar to illustration

Delivery program

Product range			SmartWire-DT accessories
Basic function			SWD ribbon cable
Function			For connecting the SmartWire-DT modules within the control panel
Description			8 pole prefabricated with two blade terminals SWD4-8MF2
Length		m	3
Note regarding length			1 off
Connection to SmartWire-DT			yes
For use with			EU5C-SWD... EU5E-SWD... M22-SWD... DIL-SWD...
Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20

Technical data

General

Approvals			UL CSA
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Ambient conditions, mechanical

Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20
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Climatic environmental conditions

Operating ambient temperature (IEC 60068-2)		°C	
Operating ambient temperature max.		°C	+ 55
Condensation			Take appropriate measures to prevent condensation
Relative humidity, non-condensing (IEC/EN 60068-2-30)		%	5 - 95

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
Degree of Protection			IP20
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
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 8.0

Cables (EG000001) / Data and communication cable (EC003249)			
Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data and communication cable (copper) (ec!@ss10.0.1-27-06-18-01 [AKE197014])			
Conductor material			Other
Conductor surface			Tinned
Diameter conductor		mm	1.35
Nominal cross section conductor		mm ²	0.23
AWG size			24
Conductor category			Class 2 = stranded
Number of cores			8
Number of stranding elements			0
Stranding element			No
Material core insulation			Polyvinyl chloride (PVC)
Specification core insulation			Other
Core identification according to HD 308 S2			No
Core identification			Colour
Screen over stranding element			None
Stranding			Other
Screen over stranding			None
Longitudinal water blocking cable			No
Radial water blocking cable			No
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			Green
Armouring/reinforcement			None
Material reinforcement			Other
Cable geometry			Flat
Reaction-to-fire class according to EN 13501-6			None
Smoke development class according to EN 13501-6			None
Euro class flaming droplets/particles according to EN 13501-6			None
Euro class acidity according to EN 13501-6			None
Halogen free (according to EN 60754-1/2)			No
Halogen free (according to IEC 60754-2)			No
Flame retardant			According to IEC/EN 60332-1-2
Low smoke (according to EN 61034-2)			No
Low smoke (according to IEC 61034-2)			No
Oil resistant (according to EN 60811-404)			No
Oil resistant (according to IEC 60811-404)			No
Insulation integrity according to IEC 60331			No
Circuit integrity			None

Outer diameter approx.	mm	17.5
Min. permitted bending radius, moving application with forced guidance	mm	15
Min. permitted bending radius, moving application/free movement	mm	15
Min. permitted bending radius, stationary application/permanent installation	mm	7.5
Permitted cable outer temperature during assembling/handling	°C	-10 - 105
Permitted cable outer temperature after assembling without vibration	°C	-30 - 105
Category		Other
NVP value	%	66.7
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
Weight	kg/km	0.11
Compatible with Grade2TV according to XP-C 90-483		No
Compatible with Grade3TV according to XP-C 90-483		No