

DATASHEET - SWD4-5LF8-24-2S



Flat cable, SmartWire-DT, 5 m, 8-Pole, prefabricated with 2 blade terminals SWD4-8MF2



Part no. SWD4-5LF8-24-2S
Catalog No. 116028

EL-Nummer 4519785
(Norway)

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	5
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			
Rated operational current for specified heat dissipation	I _n	A	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
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 7.0

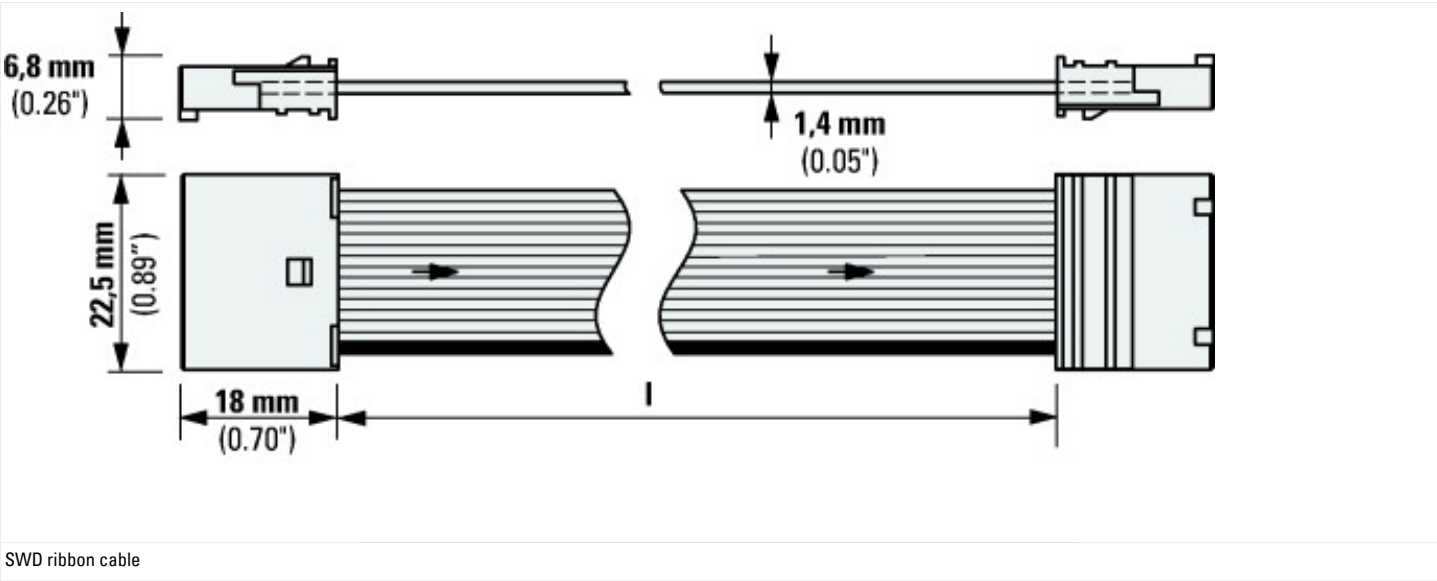
Cables (EG000001) / Data and communication cable (copper) (EC003249)			
Conductor surface			Tinned
Diameter conductor		mm	1.35
Nominal cross section conductor		mm ²	0.23
AWG-size			24
Conductor category			Class 2 = stranded
Number of cores			8
Number of stranding elements			0
Stranding element			No
Core insulation material			Polyvinyl chloride (PVC)
Specification core insulation			Other
Core identification			Colour
Screen over stranding element			None
Stranding			Other
Screen over stranding			None
Longitudinal water blocking cable			No
Radial water blocking cable			No
Protective sheath			Other
Armouring			No
Material outer sheath			Polyvinyl chloride (PVC)
Specification material outer sheath			Other
Colour outer sheath			Green
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 (acc. EN 60754-1/2)			No
Halogen free (acc. IEC 60754-2)			No
Flame retardant			In accordance with EN 60332-1-2
Low smoke (acc. EN 61034-2)			No
Low smoke (acc. IEC 61034-2)			No
Oil resistant (acc. EN 60811-404)			No
Oil resistant (acc. IEC 60811-404)			No
Insulation integrity in accordance with IEC 60331			No
Circuit integrity			No
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
Underground installation		No
UV resistant		No

Approvals

UL File No.		E29184
UL Category Control No.		NKCR
CSA File No.		2324643
CSA Class No.		3211-07
North America Certification		UL listed, CSA certified
Specially designed for North America		No

Dimensions



Additional product information (links)

Instruction leaflet "SWD4...: wiring material and accessories" IL04716001Z	
Instruction leaflet "SWD4...: wiring material and accessories" IL04716001Z	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716001Z2018_02.pdf
SmartWire-DT manual, The System MN05006002Z	
Handbuch SmartWire-DT, Das System MN05006002Z - Deutsch	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf
SmartWire-DT manual, The System MN05006002Z - English	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf
Manuale SmartWire-DT, il sistema MN05006002Z - italiano	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf
SmartWire-DT product range catalog	http://ecat.moeller.net/flip-cat/?edition=SWKAT&startpage=Titel
f1=1457&f2=1181&f3=1530;Download Wizard SWD-ASSIST	http://applications.eaton.eu/sdlc?LX=11&f1=1457&f2=1181&f3=1530
Product overview WEB)	http://www.eaton.eu/swd