

Coupling, SmartWire-DT, for connecting ribbon cables via blade terminal
SWD4-8MF 2

Part no. **SWD4-8SFF2-5**
116024
EL Number **4519795**
(Norway)

General specifications

Product name	Eaton SWD4 Accessory Coupling
Part no.	SWD4-8SFF2-5
EAN	4015081157648
Product Length/Depth	10 millimetre
Product height	35 millimetre
Product width	49 millimetre
Product weight	0.004 kilogram
Certifications	UL Category Control No.: NKCR UL CSA Class No.: 3211-07 CSA File No.: 2324643 UL File No.: E29184 IEC/EN 61131-2 EN 50178 CSA
Product Tradename	SWD4
Product Type	Accessory
Product Sub Type	Coupling
Catalog Notes	not relevant

Features & Functions

Functions	To connect SWD ribbon cables over SWD4-8MF2 blade terminals
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General information

Degree of protection	IP20 (according to IEC/EN 60529, EN 50178, VBG 4) IP20
Product category	SmartWire-DT accessories

Ambient conditions, mechanical

Constant acceleration	1 g, 8.4 - 150 Hz, according to IEC/EN 61131-2, Vibrations
Constant amplitude	3,5 mm, 5 - 8.4 Hz, according to IEC/EN 61131-2, Vibrations
Mounting position	As required
Shock resistance	15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts

Climatic environmental conditions

Air pressure	795 - 1080 hPa (operation)
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C
Ambient storage temperature - min	-40 °C
Ambient storage temperature - max	70 °C
Climatic proofing	Dry heat to IEC 60068-2-2 Damp heat, constant, to IEC 60068-2-3
Environmental conditions	Condensation: prevent with appropriate measures
Operating temperature - min	-25 °C
Operating temperature - max	55 °C
Relative humidity	5 - 95 % (non-condensing, IEC/EN 60068-2-30)

Electro magnetic compatibility

Air discharge	8 kV, according to IEC 61131-2, level 3, ESD
Contact discharge	4 kV, according to IEC/EN 61131-2, Level 2, ESD

Communication

Connection to SmartWire-DT	Yes
Connection type	Connection 1: Plug, 8-pole Connection 2: Bus, 8-pole

Input/Output

Number of insertion cycles	200
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 8.0

Programmable logic controllers PLC (EG000024) / Accessories/spare parts for controls (EC002584)

Electric engineering, automation, process control engineering / Display and control component / Panel (HMI) / Panel (HMI, accessories) (ecl@ss10.0.1-27-33-02-92 [AFX005003])

Type of electrical accessory/spare part	Plug
Type of mechanical accessory/spare part	Other
Accessory	Yes
Spare part	No