



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



**Part no.** SWD4-8SFF2-5  
**Catalog No.** 116024  
**EL-Nummer (Norway)** 4519795

**Delivery program**

Product range			SmartWire-DT accessories
Basic function			Coupling
Function			To connect SWD ribbon cables over SWD4-8MF2 blade terminals
Description			Coupling via two 8-pin blade terminals
Connection to SmartWire-DT			yes
For use with			EU5C-SWD... EU5E-SWD... M22-SWD... SWD4-8SFF2-5
For use with			for 8-pin blade terminal

**Technical data**

**General**

Standards			IEC/EN 61131-2 EN 50178
Dimensions (W x H x D)		mm	48.4 x 34.3 x 10.15
Weight		kg	0.0045
Mounting position			As required
Note on heat dissipation			not relevant

**Ambient conditions, mechanical**

Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20
Vibrations (IEC/EN 61131-2:2008)			
Constant amplitude 3,5 mm		Hz	
constant amplitude 0.15 mm max.		Hz	8.4
constant amplitude 0.15 mm minim.		Hz	5
Constant acceleration 1 g		Hz	
constant acceleration 1 g max.		Hz	150
constant acceleration 1 g min.		Hz	8.4
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Impacts	9

**Electromagnetic compatibility (EMC)**

Electrostatic discharge (IEC/EN 61131-2:2008)			
Air discharge (Level 3)		kV	8
Contact discharge (Level 2)		kV	4

**Climatic environmental conditions**

Climatic proofing			Dry heat to IEC 60068-2-2 Damp heat as per EN 60068-2-3
Air pressure (operation)		hPa	795 - 1080
Ambient temperature			
Operation	8	°C	-25 - +55
Storage / Transport	8	°C	-40 - +70
Relative humidity			
Condensation			Take appropriate measures to prevent condensation
Relative humidity, non-condensing (IEC/EN 60068-2-30)		%	5 - 95

**Connection options**

Connection 1			Plug, 8-pole
Number of insertion cycles			≥ 200
Connection 2			Bus, 8-pole
Number of insertion cycles			≥ 200

## 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 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

## 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

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## Additional product information (links)

SmartWire-DT product range catalog	<a href="http://ecat.moeller.net/flip-cat/?edition=SWKAT&amp;startpage=Titel">http://ecat.moeller.net/flip-cat/?edition=SWKAT&amp;startpage=Titel</a>
f1=1457&f2=1181&f3=1530;Download Wizard SWD-ASSIST	<a href="http://applications.eaton.eu/sdlc?LX=11&amp;f1=1457&amp;f2=1181&amp;f3=1530">http://applications.eaton.eu/sdlc?LX=11&amp;f1=1457&amp;f2=1181&amp;f3=1530</a>
Product overview WEB)	<a href="http://www.eaton.eu/swd">http://www.eaton.eu/swd</a>