

## Cable adapter, SmartWire-DT, flat to round cable

**Part no.** SWD4-8FRF-10  
**121377**  
**EL Number** 4520014  
**(Norway)**

General specifications	
Product name	Eaton SWD4 Accessory Cable adapter
Part no.	SWD4-8FRF-10
EAN	4015081192069
Product Length/Depth	36 millimetre
Product height	90 millimetre
Product width	35 millimetre
Product weight	0.041 kilogram
Certifications	UL File No.: E29184 UL UL Category Control No.: NKCR CSA Class No.: 3211-07 CSA File No.: 2324643 IEC/EN 61131-2 EN 50178 CSA CSA UL
Product Tradename	SWD4
Product Type	Accessory
Product Sub Type	Cable adapter
Catalog Notes	not relevant
General information	
Degree of protection	IP20 IP20 (according to IEC/EN 60529, EN 50178, VBG 4)
Product category	SmartWire-DT accessories
Type	SmartWire-DT cable adapter for connecting a ribbon cable (plug) to a round cable (terminal) SWD cable adapter
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	0 - 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	Push in terminals

		Connection 1: Plug, 8-pole
<b>Input/Output</b>		
Number of insertion cycles		200
<b>Design verification</b>		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		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

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) (ecI@ss13-27-33-02-92 [AFX005008])		
Type of electrical accessory/spare part		Plug
Type of mechanical accessory/spare part		Other
Accessory		Yes
Spare part		No