

**External device plug, SmartWire-DT, at ribbon cable for connection of SWD module**



**Part no.** SWD4-8SF2-5  
**Catalog No.** 116022  
**EL-Nummer (Norway)** 4519788

**Delivery program**

Product range			SmartWire-DT accessories
Basic function			Plug/socket
Basic function accessories			Plug-in connection
Function			For connecting the ribbon cable to SmartWire-DT modules in the control panel
Description			8-pin SmartWire-DT external device plug that can be connected at any point on the ribbon cable. External device plugs can be used to connect the function elements of any SmartWire-DT module in a control panel.
Connection to SmartWire-DT			yes
For use with			EU5E-SWD... M22-SWD...

**Technical data**

**General**

Standards			IEC/EN 61131-2 EN 50178
Dimensions (W x H x D)		mm	15 x 36.5 x 17.5
Weight		kg	0.01
Mounting position			As required
Power loss	P	W	0
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

**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	θ	°C	-25 - +55
Storage / Transport	θ	°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			Socket, 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 <sub>n</sub>	A	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0

Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	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.

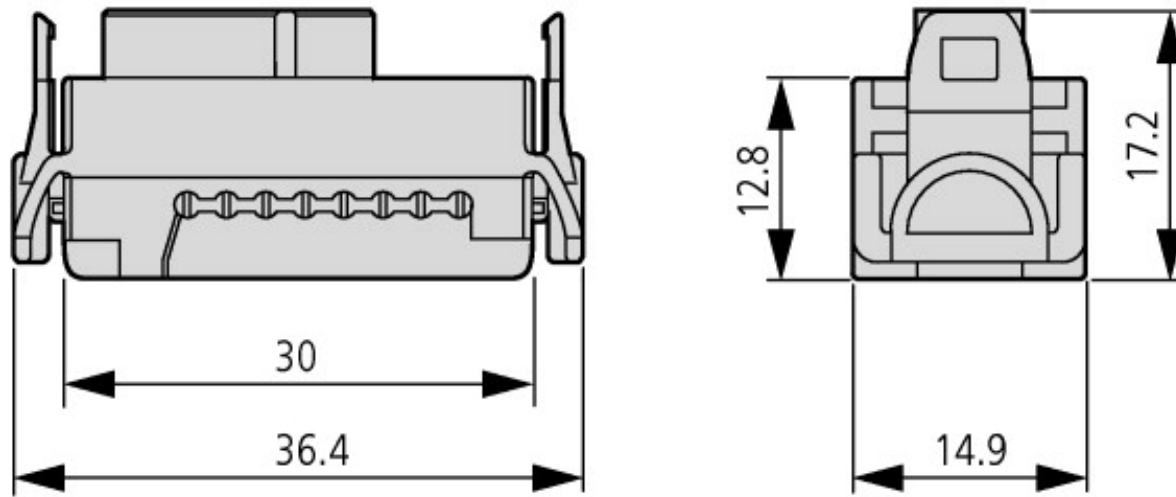
## Technical data ETIM 8.0

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



SWD external device plug

## 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/IL04716001Z.pdf](https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716001Z.pdf)

Instruction leaflet "SWD4...: wiring material and accessories" IL04716001Z [https://es-assets.eaton.com/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL04716001Z2021\\_07.pdf](https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716001Z2021_07.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](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](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](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;Download Wizard SWD-ASSIST>

Product overview (WEB) <http://www.eaton.eu/swd>