



## Plug-in connection, SmartWire-DT, for round cable, socket, flat, 8-Pole

Part no.  
Article no.

**SWD4-SF8-67**  
**116033**

**EATON**<sup>®</sup>

Powering Business Worldwide™



## Delivery program

Product range	SmartWire-DT accessories
Basic function	Plug/socket
Basic function accessories	Plug-in connection
Function	Plug connector for 8-pole SWD4-...LR8-24 round cables
Description	8 pole socket Straight Soldering connection
Connection to SmartWire-DT	yes
For use with	SWD4-SM8-20 SWD4-SML8-20

## Technical data

### General

Dimensions (W x H x D)	mm	18,5 x 45 x 18,5
Mounting position		As required
Power loss	P	W
Note on heat dissipation		0 not relevant

### Ambient conditions, mechanical

Protection type (IEC/EN 60529, EN50178, VBG 4)		IP67
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### 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 - +90
Storage / Transport	θ	°C -40 - +90
Relative humidity		
Condensation		permissible

### Connection options

Connection 1		M20 socket, 8-pin, solder terminal
Number of insertion cycles		≥ 500

## 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 90
Degree of Protection		IP67
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 6.0

PLC's (EG000024) / Accessories for controls (EC002584)

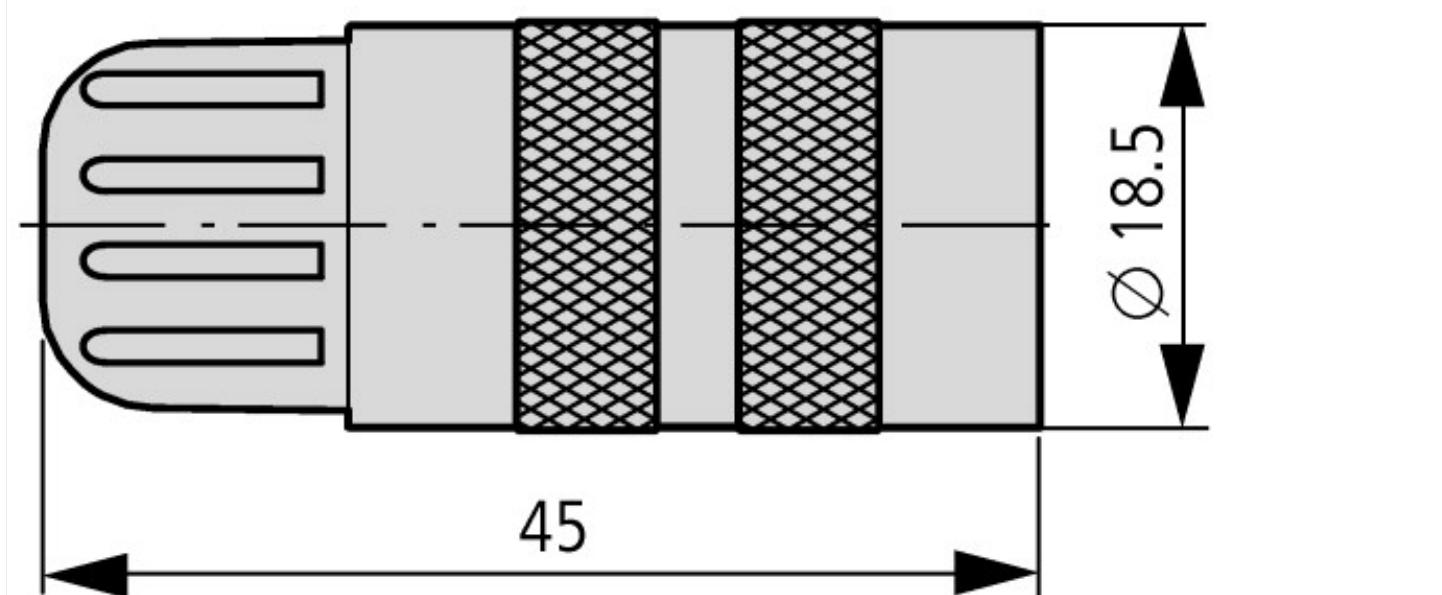
Electric engineering, automation, process control engineering / Control / Control (accessories) / Control (accessories, unspecified) (ecl@ss8.1-27-24-92-90 [AKN560011])

Type of electrical accessory	Plug
Type of mechanical accessory	-
Type of documentation	-

## Approvals

North America Certification	Request filed for UL and CSA
Specially designed for North America	No

## Dimensions



Plug connectors for SmartWire-DT round cables, flat

## Additional product information (links)

Instruction leaflet "SWD4...: wiring material and accessories" IL04716001Z

Instruction leaflet "SWD4...: wiring material and [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL04716001Z2015\\_08.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716001Z2015_08.pdf) accessories" IL04716001Z

Handbuch SmartWire-DT, Das System MN05006002Z

MN05006002Z (AWB2723-1617) SmartWire-DT, [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006002Z\\_DE.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf)  
Das System - Deutsch

MN05006002Z (AWB2723-1617) SmartWire-DT, [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006002Z\\_EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf)

The system - English

MN05006002Z (AWB2723-1617) SmartWire-DT, [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006002Z\\_IT.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf)

il sistema - italiano

amp;startpage=Title;Product Range Catalog  
SmartWire-DT <http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp;startpage=1>

Technical data <http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp;startpage=32>

SWD-ASSIST <http://downloadcenter.moeller.net/en/software.a487d8b7-da91-486f-b3ba-a7ca2035db99>