



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

Part no. **SWD4-SM8-67**  
Article no. **116034**



### Delivery programme

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-pin plug connector Straight Soldering connection
Connection to SmartWire-DT			yes
For use with			SWD4-SF8-20 SWD4-SFL8-20

### 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	0
Note on heat dissipation			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 plug, 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	$I_n$	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	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.

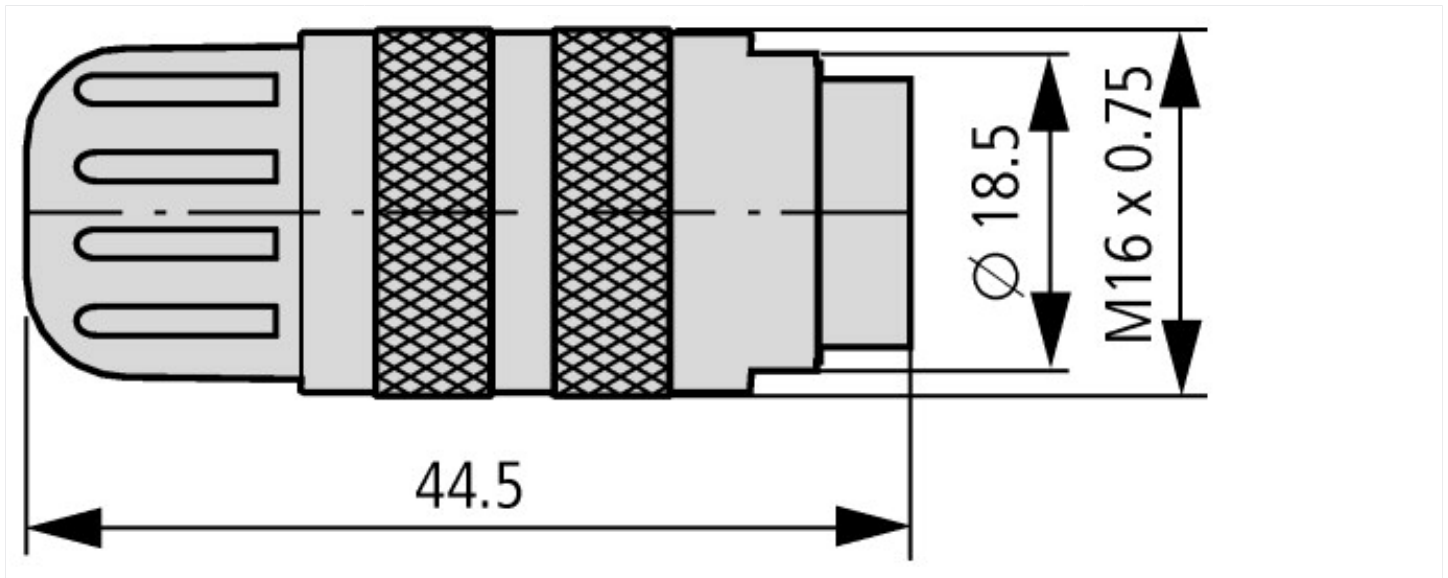
## Technical data ETIM 6.0

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)

<b>Instruction leaflet "SWD4...: wiring material and accessories" IL04716001Z</b>	
Instruction leaflet "SWD4...: wiring material and accessories" IL04716001Z	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716001Z2015_08.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716001Z2015_08.pdf</a>
<b>Manual "SmartWire-DT, The System" MN05006002Z (AWB2723-1617)</b>	
MN05006002Z (AWB2723-1617) SmartWire-DT, Das System - Deutsch	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf</a>
MN05006002Z (AWB2723-1617) SmartWire-DT, The system - English	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf</a>

MN05006002Z (AWB2723-1617) SmartWire-DT, il sistema - italiano	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf</a>
<a href="http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp;startpage=Title;Product Range Catalog SmartWire-DT">http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp;startpage=Title;Product Range Catalog SmartWire-DT</a>	
Technical data	<a href="http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp;startpage=32">http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp;startpage=32</a>
SWD-ASSIST	<a href="http://downloadcenter.moeller.net/en/software.a487d8b7-da91-486f-b3ba-a7ca2035db99">http://downloadcenter.moeller.net/en/software.a487d8b7-da91-486f-b3ba-a7ca2035db99</a>