



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



Part no. **SWD4-SM8-67**
 Catalog No. **116034**

EL-Nummer (Norway) **4520011**

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-pinplug 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 |
|--|--|--|------|

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. |

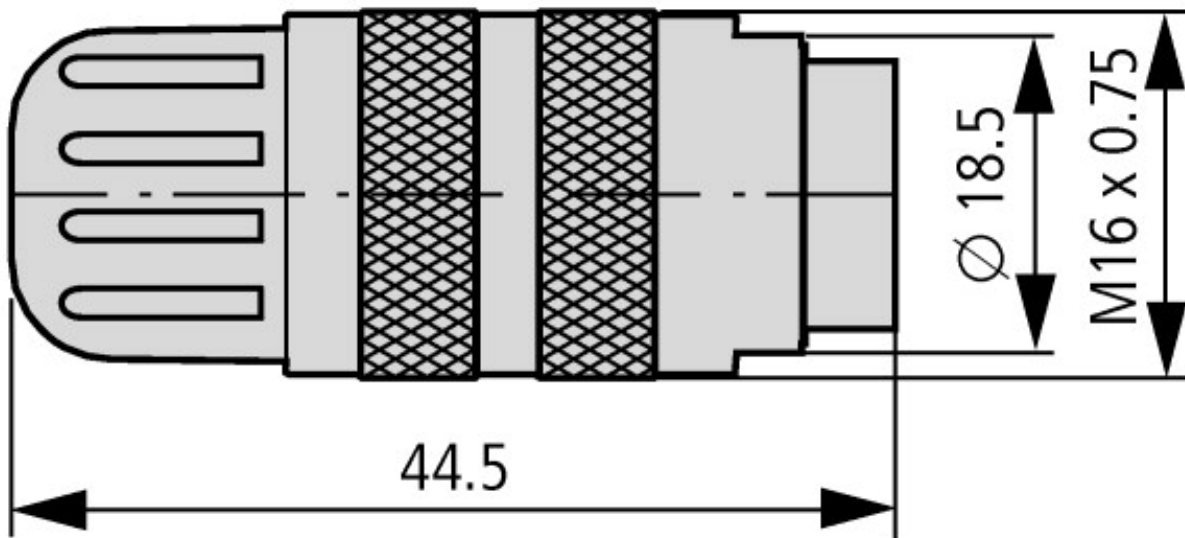
Technical data ETIM 8.0

| | | |
|---|--|-------|
| 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) (ecI@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

| | | |
|--------------------------------------|--|------------------------------|
| 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)

| | |
|--|---|
| 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&amp |
| Product overview (WEB) | http://www.eaton.eu/swd |

