



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

Part no. **SWD4-8SF2-5**
 Article no. **116022**

Delivery programme

| | | | |
|----------------------------|--|--|--|
| Product range | | | SmartWire-DT accessories |
| Basic function | | | Plug/socket |
| 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 | 0.0055 |
| 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 min. (RefExtrakt) | | 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

| | | | |
|---|--|----|---|
| Ambient temperature | | °C | |
| 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_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 | 55 |
| IEC/EN 61439 design verification | | | |
| 10.2 Strength of materials and parts | | | |

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| 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. |

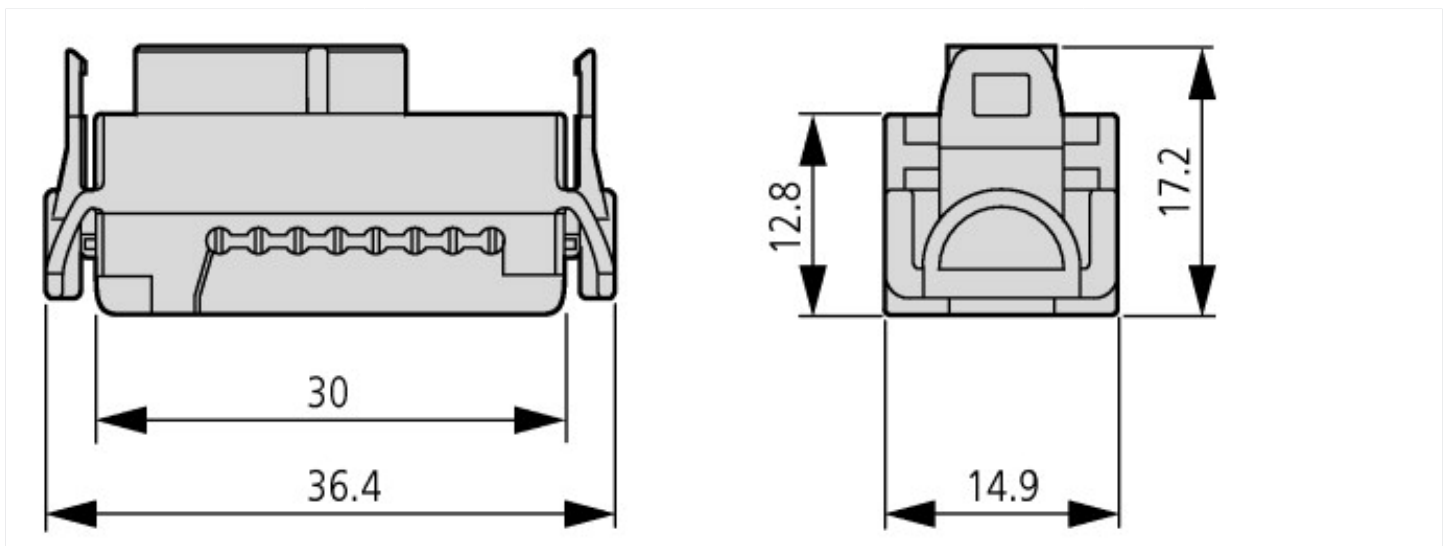
Technical data ETIM 6.0

| | | |
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| 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

| | | |
|--------------------------------------|--|--------------------------|
| 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



Additional product information (links)

IL04716001Z (AWA1160-2512) SmartWire-DT: Wiring material and accessories

IL04716001Z (AWA1160-2512) SmartWire-DT: Wiring material and accessories ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716001Z2014_10.pdf

IL04716001Z (AWA1160-2512) SmartWire-DT: Wiring material and accessories ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716001Z2015_08.pdf

MN05006002Z (AWB2723-1617) SmartWire-DT, The system

MN05006002Z (AWB2723-1617) SmartWire-DT, Das System - Deutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf

MN05006002Z (AWB2723-1617) SmartWire-DT, The system - English ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf

MN05006002Z (AWB2723-1617) SmartWire-DT, il sistema - italiano ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf