

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



**Part no.** SWD4-8SF2-5  
**116022**  
**EL Number** 4519788  
**(Norway)**

| <b>General specifications</b>            |  |
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| Product name                             | Eaton SWD4 Accessory External device plug  |
| Part no.                                 | SWD4-8SF2-5  |
| EAN                                      | 4015081157624  |
| Product Length/Depth                     | 17 millimetre  |
| Product height                           | 36 millimetre  |
| Product width                            | 15 millimetre  |
| Product weight                           | 0.006 kilogram   |
| Certifications                           | IEC/EN 61131-2<br>UL File No.: E29184<br>CSA Class No.: 3211-07<br>UL Category Control No.: NKCR<br>CSA<br>UL<br>CSA File No.: 2324643<br>EN 50178 |
| Product Tradename                        | SWD4   |
| Product Type                             | Accessory  |
| Product Sub Type                         | External device plug   |
| Catalog Notes                            | not relevant   |
| <b>Features &amp; Functions</b>          |  |
| Functions                                | For connecting the ribbon cable to SmartWire-DT modules in the control panel   |
| <b>General information</b>               |  |
| Degree of protection                     | IP20 (according to IEC/EN 60529, EN 50178, VBG 4)<br>IP20  |
| Product category                         | SmartWire-DT accessories   |
| <b>Ambient conditions, mechanical</b>    |  |
| Constant acceleration                    | 1 g, 8.4 - 150 Hz, according to IEC/EN 61131-2, Vibrations   |
| Constant amplitude                       | 3,5 mm, 5 - 8.4 Hz, according to IEC/EN 61131-2, Vibrations  |
| Mounting position                        | As required  |
| Shock resistance                         | 15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts   |
| <b>Climatic environmental conditions</b> |  |
| Air pressure                             | 795 - 1080 hPa (operation)   |
| Ambient operating temperature - min      | -25 °C   |
| Ambient operating temperature - max      | 55 °C  |
| Ambient storage temperature - min        | -40 °C   |
| Ambient storage temperature - max        | 70 °C  |
| Climatic proofing                        | Dry heat to IEC 60068-2-2<br>Damp heat, constant, to IEC 60068-2-3   |
| Environmental conditions                 | Condensation: prevent with appropriate measures  |
| Operating temperature - min              | -25 °C   |
| Operating temperature - max              | 55 °C  |
| Relative humidity                        | 5 - 95 % (non-condensing, IEC/EN 60068-2-30)   |
| <b>Electrical rating</b>                 |  |
| Power loss                               | 0 W  |
| <b>Communication</b>                     |  |
| Connection to SmartWire-DT               | Yes  |
| Connection type                          | Socket, 8-pole   |
| <b>Input/Output</b>                      |  |

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| Number of insertion cycles   |  | 200  |
| <b>Design verification</b>   |  |  |
| Equipment heat dissipation, current-dependent Pvid                               |  | 0 W  |
| Heat dissipation capacity Pdis   |  | 0 W  |
| Heat dissipation per pole, current-dependent Pvid                                |  | 0 W  |
| Rated operational current for specified heat dissipation (In)                    |  | 0 A  |
| Static heat dissipation, non-current-dependent Pvs                               |  | 0 W  |
| 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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.   |
| 10.9.2 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 9.0

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| 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) (ec@ss13-27-33-02-92 [AFX005008]) |  |       |
| Type of electrical accessory/spare part  |  | Plug  |
| Type of mechanical accessory/spare part  |  | Other |
| Accessory  |  | Yes   |
| Spare part   |  | No    |