



Housing bushing socket, SmartWire-DT, socket, M20, for SWD4-SM8 plugs for round cable



Part no. SWD4-SF8-20
Catalog No. 116031

EL-Nummer (Norway) 4520006

Delivery program

| | | | |
|----------------------------|--|---|--------------------------|
| Basic function accessories | | | Housing bushing socket |
| Product range | | | SmartWire-DT accessories |
| Degree of Protection | | | IP20 |
| Length | | m | 0.15 |
| For use with | | | M22-SWD... |

Technical data

General

| | | | |
|--------------------------|--|----|----------------------------|
| Standards | | | IEC/EN 61131-2 EN 50178 |
| Dimensions (W x H x D) | | mm | 24 x 26 x 162 |
| Weight | | kg | 0.02 |
| Mounting position | | | As required |
| Note on heat dissipation | | | not relevant |

Ambient conditions, mechanical

| | | | |
|--|--|--|------|
| Protection type (IEC/EN 60529, EN50178, VBG 4) | | | IP20 |
|--|--|--|------|

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 - +55 |
| Storage / Transport | θ | °C | -40 - +70 |
| Relative humidity | | | |
| Condensation | | | Take appropriate measures to prevent condensation |
| Relative humidity, non-condensing (IEC/EN 60068-2-30) | | % | 5 - 95 |

Connection options

| | | | |
|----------------------------|--|--|--------------------|
| Connection 1 | | | SWD-IN: 8 cables |
| Connection 2 | | | M20 socket, 8 pole |
| 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 | 55 |
| Degree of Protection | | | IP20 |
| 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. |

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| 10.2.3 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. |

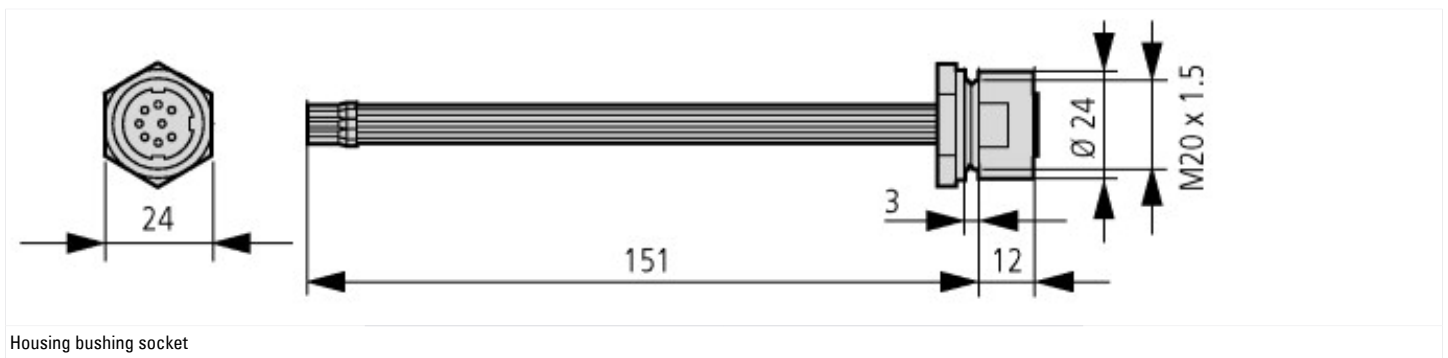
Technical data ETIM 7.0

| | | |
|---|--|-------|
| PLC's (EG000024) / Accessories for controls (EC002584) | | |
| Electric engineering, automation, process control engineering / Control / Programmable logic control (SPS) / Programmable logic control (SPS, accessories) (ecl@ss10.0.1-27-24-22-92 [AFR333003]) | | |
| Type of electrical accessory | | Plug |
| Type of mechanical accessory | | Other |

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



Assets (links)

Declaration of CE Conformity

00003097

Instruction Leaflets

IL04716001Z2018_02

Manuals

MN05006002Z_DE (German)

MN05006002Z_EN (English)

Additional product information (links)

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

Instruction leaflet "SWD4...: wiring material and accessories" IL04716001Z ftp://ftp.moeller.net/DOCUMENTATION/AWB_INSTRUCTIONS/IL04716001Z2018_02.pdf

SmartWire-DT manual, The System MN05006002Z

Handbuch SmartWire-DT, Das System MN05006002Z - Deutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf

SmartWire-DT manual, The System MN05006002Z - English ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf

Manuale SmartWire-DT, il sistema MN05006002Z - italiano ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf

SmartWire-DT product range catalog <http://ecat.moeller.net/flip-cat/?edition=SWKAT&startpage=Titel>

Technical data <http://ecat.moeller.net/flip-cat/?edition=SWKAT&startpage=40>

f1=1457&f2=1181&f3=1530;Download Wizard SWD-ASSIST <http://applications.eaton.eu/sdlc?LX=11&>

Product overview WEB) <http://www.eaton.eu/swd>