# DATASHEET - SWD4-M6LR4P-2R

**MB-Power-cable, IP67, 0.6 m, 4 pole, Prefabricated with 7/8" right-angle plug and 7/8" right-angle socket**

**Part no.** SWD4-M6LR4P-2R
183219

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| **General specifications** | |
| Product name | Eaton SWD4 Accessory MB-Power-cable |
| Part no. | SWD4-M6LR4P-2R |
| EAN | 4015081781522 |
| Product Length/Depth | 307.692 millimetre |
| Product height | 51.282 millimetre |
| Product width | 307.692 millimetre |
| Product weight | 0.205 kilogram |
| Certifications | UL<br>CSA |
| Product Tradename | SWD4 |
| Product Type | Accessory |
| Product Sub Type | MB-Power-cable |
| Catalog Notes | Condensation: permissible |
| **Features & Functions** | |
| Features | Radial water blocking cable<br>Oil resistant (acc. IEC 60811-404)<br>Oil resistant (acc. EN 60811-404) |
| Fitted with: | 7/8" right-angle plug<br>7/8" right-angle socket |
| Functions | For directly connecting the power supply to EU6E.., EU8E.. IP67 SmartWire-DT modules |
| **General information** | |
| Cable length | 0.6 m |
| Number of Poles | Four-pole |
| Outer diameter - approximate | 11 mm |
| Outer sheath material | Polyvinyl chloride (PVC) |
| Permitted bending radius, moving application with free movement - min | 0 mm |
| Product category | SmartWire-DT accessories |
| Suitable as | Signaling cable |
| **Climatic environmental conditions** | |
| Ambient operating temperature - min | -25 °C |
| Ambient operating temperature - max | 70 °C |
| **Safety** | |
| Flame retardant | In accordance with EN 60332-1-2 |
| **Design verification** | |
| Equipment heat dissipation, current-dependent Pvid | 0 W |
| Heat dissipation capacity Pdiss | 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. |

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| 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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| Cables (EG000001) / Data and communication cable (EC003249) | | | |
| Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data and communication cable (copper) (ecl@ss13-27-06-18-01 [AKE197019]) | | | |
| Cable type | | | Other |
| Duplex | | | No |
| Conductor material | | | Other |
| Conductor surface | | | Bare |
| Diameter conductor | | mm | 1.5 |
| Nominal cross section conductor | | $mm^2$ | 0.5 |
| AWG size | | | 20 |
| Conductor category | | | Class 2 = stranded |
| Number of cores | | | 4 |
| Number of stranding elements | | | 26 |
| Stranding element | | | Pairs |
| Material core insulation | | | Other |
| Specification core insulation | | | Other |
| Core identification according to HD 308 S2 | | | No |
| Core identification | | | Colour |
| Screen over stranding element | | | Foil |
| Stranding | | | Bundle |
| Screen over stranding | | | None |
| Longitudinal water blocking cable | | | No |
| Radial water blocking cable | | | Yes |
| Suitable for underground installation | | | No |
| Approved type of underground installation | | | Other |
| Protective sheath | | | Other |
| Material outer sheath | | | Polyvinyl chloride (PVC) |
| Specification material outer sheath | | | Other |
| Colour outer sheath | | | Black |
| Number of sheath layers | | | 0 |
| Armouring/reinforcement | | | None |
| Material armouring | | | Other |
| Cable geometry | | | Round |
| Flame retardant according to IEC 60332-1-2 | | | No |
| Flame retardant according to IEC 60332-3-21 (Cat A F/R) | | | No |
| Flame retardant according to IEC 60332-3-22 (Cat A) | | | No |
| Flame retardant according to IEC 60332-3-23 (Cat B) | | | No |
| Flame retardant according to IEC 60332-3-24 (Cat C) | | | No |
| Flame retardant according to IEC 60332-3-25 (Cat D) | | | No |
| Low smoke according to EN IEC 61034-2 | | | No |

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| Halogen free according to EN IEC 60754-1 | | No |
| Halogen free according to EN IEC 60754-2 | | No |
| Halogen free according to EN IEC 60754-3 | | No |
| Reaction-to-fire according to EN 13501-6: Class | | None |
| Reaction-to-fire according to EN 13501-6: Smoke production | | None |
| Reaction-to-fire according to EN 13501-6: Flaming droplets/particles | | None |
| Reaction-to-fire according to EN 13501-6: Acidity | | None |
| Circuit integrity according to IEC 60331-23 | | No |
| Oil resistant according to EN IEC 60811-404 | | Yes |
| Outer diameter approx. | mm | 11 |
| Min. permitted bending radius, moving application with forced guidance | mm | 0 |
| Min. permitted bending radius, moving application/free movement | mm | 0 |
| Min. permitted bending radius, stationary application/permanent installation | mm | 64 |
| Permitted cable outer temperature during assembling/handling | °C | -25 - 70 |
| Permitted cable outer temperature after assembling without vibration | °C | -25 - 70 |
| Category | | Other |
| NVP value | % | 66.5 |
| UV resistant | | No |
| Certified for shipboard application | | No |
| Segregation class according to EN 50174-2 | | |
| Suitable as telephone cable | | No |
| Suitable as computer data cable | | No |
| Suitable as signalling cable | | Yes |
| Suitable for use as security alarm cable | | No |
| Drain wire | | No |
| With rip cord | | No |
| Cable width approx. | mm | 5.6 |
| Cable height approx. | mm | 51.282 |
| Weight | kg/km | |
| Characteristic impedance | Ohm | 100 |
| Max. tensile strength during installation | kN | |
| Nominal voltage U | V | 24 |
| With rodent protection | | No |
| Circuit integrity according to DIN 4102-12 | | |
| Compatible with Grade2TV according to XP-C 90-483 | | No |
| Compatible with Grade3TV according to XP-C 90-483 | | No |
| Cable type according to BS 4737-3.30 | | |
| Rip cord colour according to BS 4737-3.30 | | |
| Compliant with BT (British Telecom) specification | | |


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