# DATASHEET - SWD4-10LR4P-S

**MB-Power-cable, IP67, 10 m, 4 pole, Prefabricated on one side with 7/8" straight socket**

Powering Business Worldwide

| | |
|---|---|
| **Part no.** | **SWD4-10LR4P-S** |
| **Catalog No.** | **183206** |
| **Alternate Catalog No.** | **SWD4-10LR4P-S** |

Similar to illustration

## Delivery program

| | | | |
|---|---|---|---|
| Product range | | | SmartWire-DT accessories |
| Basic function | | | Supply cable |
| Function | | | For directly connecting the power supply to EU6E.., EU8E.. IP67 SmartWire-DT modules |
| Description | | | 4 pole<br>Prefabricated on one side with 7/8" straight socket |
| Length | | m | 10 |
| Note regarding length | | | 1 off |
| Connection to SmartWire-DT | | | yes |
| Protection type (IEC/EN 60529, EN50178, VBG 4) | | | IP67 |

## Technical data

### Ambient conditions, mechanical

| | | | |
|---|---|---|---|
| Protection type (IEC/EN 60529, EN50178, VBG 4) | | | IP67 |

### Climatic environmental conditions

| | | | |
|---|---|---|---|
| Operating ambient temperature (IEC 60068-2) | | °C | |
| Operating ambient temperature max. | | °C | + 70 |
| Condensation | | | permissible |

## Design verification as per IEC/EN 61439

| | | | |
|---|---|---|---|
| Technical data for design verification | | | |
| 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 | 70 |
| 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

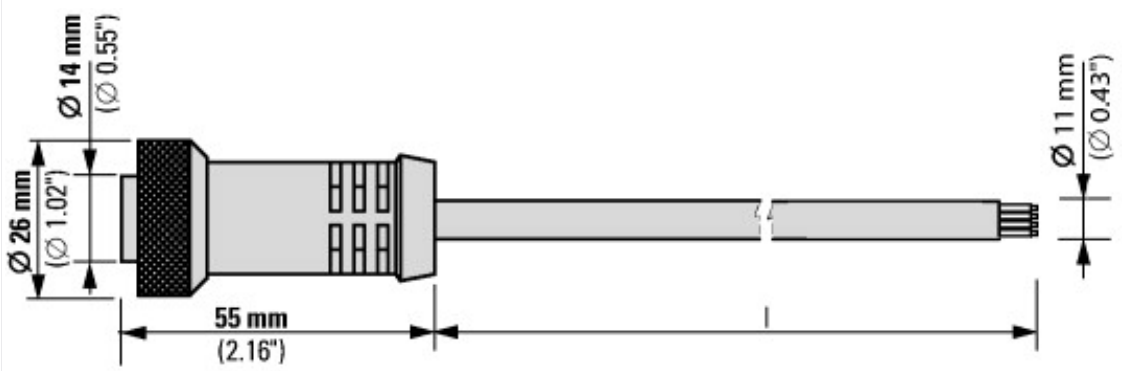
| | | | |
|---|---|---|---|
| Cables (EG000001) / Data and communication cable (EC003249) | | | |
| Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data and communication cable (copper) (ecl@ss10.0.1-27-06-18-01 [AKE197014]) | | | |
| Conductor material | | | 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 | | | |
| Core identification | | | Colour |
| Screen over stranding element | | | Foil |
| Stranding | | | Bundle |
| Screen over stranding | | | None |
| Longitudinal water blocking cable | | | Yes |
| 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 | | | |
| Colour outer sheath | | | Black |
| Armouring/reinforcement | | | None |
| Material reinforcement | | | |
| Cable geometry | | | Round |
| Reaction-to-fire class according to EN 13501-6 | | | None |
| Smoke development class according to EN 13501-6 | | | None |
| Euro class flaming droplets/particles according to EN 13501-6 | | | None |
| Euro class acidity according to EN 13501-6 | | | None |
| Halogen free (according to EN 60754-1/2) | | | No |
| Halogen free (according to IEC 60754-2) | | | No |
| Flame retardant | | | According to IEC/EN 60332-1-2 |
| Low smoke (according to EN 61034-2) | | | No |
| Low smoke (according to IEC 61034-2) | | | No |
| Oil resistant (according to EN 60811-404) | | | Yes |
| Oil resistant (according to IEC 60811-404) | | | Yes |
| Insulation integrity according to IEC 60331 | | | No |
| Circuit integrity | | | None |
| Outer diameter approx. | | mm | 11 |
| Min. permitted bending radius, moving application with forced guidance | | mm | |
| Min. permitted bending radius, moving application/free movement | | mm | |
| 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 | | | Yes |
| 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 |
| Weight | | kg/km | 1636 |
| Compatible with Grade2TV according to XP-C 90-483 | | | No |
| Compatible with Grade3TV according to XP-C 90-483 | | | No |

## Approvals

| | | | |
|---|---|---|---|
| North America Certification | | | UL listed, CSA certified |
| Specially designed for North America | | | No |

## Dimensions




Supply cable, prefabricated on one side

## 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 |