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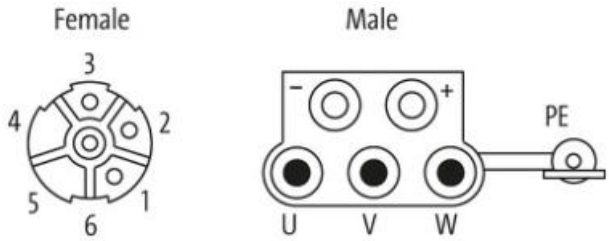
## M23 SERVO CABLE

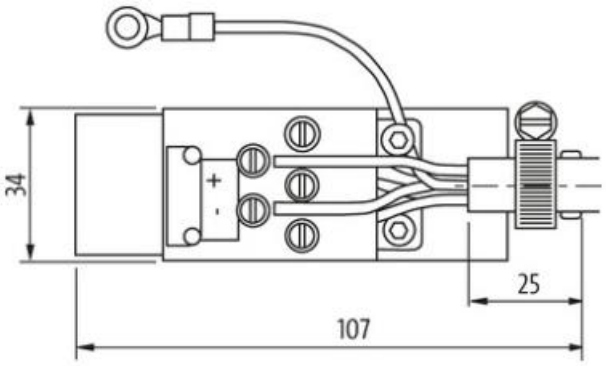
Specification: M6FX5002-5CS01-1BD0

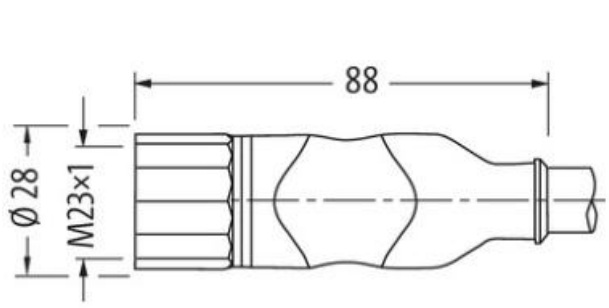
Power cable for SINAMICS S120 and Motors with M23 connection
Female straight – pre-wired terminals
M23, 6-pole
4-pole used
Further cable lengths on request.
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.
Power cores: 12 A (1.5 mm²), 15 A (2.5 mm²); brake cores: 5 A (1.5 mm²)

**Link naar het product**

**Afbeelding**




Product van afwijken van afbeelding

| | |
|---|---|
| Cable length | 13 m |
| **Side 1** | |
| Tightening torque | 2 Nm |
| Family construction form | M23 |
| Thread | M23 x 1 |
| Width across flats | SW27 |

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|---|---|
| **Commerciële gegevens** | |
| ECLASS-6.0 | 27279218 |
| ECLASS-6.1 | 27279218 |
| ECLASS-7.0 | 27279218 |
| ECLASS-8.0 | 27279218 |
| ECLASS-9.0 | 27060327 |
| ECLASS-10.1 | 27060311 |
| ECLASS-11.1 | 27060311 |
| ECLASS-12.0 | 27060327 |
| ETIM-5.0 | EC001855 |
| Douane tarief nummer | 85444290 |
| GTIN | 4048879558570 |
| Verpakkingseenheid | 1 |
| **Electrical data \| Supply** | |
| Operating voltage AC max. | 630 V |
| Operating voltage DC max. | 630 V |
| **Device protection \| Electrical** | |
| Degree of protection (EN IEC 60529) | IP20, IP67 |
| Pollution Degree | 3 |
| **Mechanical data \| Material data** | |
| Coating locking | nickel plated |
| Material housing | PUR |
| Locking material | Brass |
| **Mechanical data \| Mounting data** | |
| Mounting method | inserted, screwed, Shaking protection |
| **Environmental characteristics \| Climatic** | |
| Operating temperature min. | -25 °C |
| Operating temperature max. | 85 °C |
| Additional condition temperature range | depending on cable quality |
| **Important installation notes** | |
| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| Note on bending radius | **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| **Installation \| Cable** | |
| wire arrangement | black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow |
| Cable identification | 865 |
| Jacket Color | orange |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 4 wires with Filler twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 80 % |
| Banding | Fiber tape, Fleece |
| Filler | yes |
| wire arrangement | black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow |
| Cable weigth | 128,7 g/m |
| Material jacket | PVC |
| Freedom from ingredients (jacket) | lead-free, CFC-free, silicone-free |
| Outer-diameter (jacket) | 8,1 mm |
| Tolerance outer diameter (sheath) | ± 5 % |
| Material wire insulation (Power) | TPM |
| Outer diameter wire insulation (Power) | 2,4 mm |

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|---|---|
| Tolerance outer diameter wire insulation (Power) | ±5 % |
| Ingredient freeness wire insulation (Power) | lead-free, CFC-free, silicone-free |
| Printing colour wire insulation (Power) | white (isolation black) |
| Amount wires (Power) | 4 |
| Amount strands wire (Power) | 30 |
| Diameter of single wires (Power) | 0,25 mm |
| Wire conductor cross section (Power) | 1,5 mm² |
| Material conductor wire (Power) | Stranded copper wire, bare |
| Conductor type wire (Power) | Strand class 5 |
| Max. rated voltage (conductor - conductor) | 1000 V |
| Max. rated voltage (conductor - ground) | 600 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current carrying capacity min. wire (Power) | 14,4 A |
| Electrical resistance coating wire (Power) | 13,7 Ω/km @20 °C |
| AC withstand voltage (wire - wire) | 4 kV @ 60 s |
| Power frequency withstand voltage (wire - jacket) | 4 kV @ 60 s |
| AC withstand voltage (wire - shield) | 4 kV @ 60 s |
| Isolation resistance | 10 MΩ × km |
| Electrical capacity line constant (wire - shield) (power) | 250000 pF/km |
| Electrical capacity line constant (wire - wire) (power) | 150000 pF/km |
| Min. operating temperature (static) | -25 °C |
| Max. operating temperature (fixed) | 80 °C |
| Operating temperature min. (dynamic) | -5 °C |
| Operating temperature max. (dynamic) | 60 °C |
| Flame resistance | IEC 60332-2-2 \| UL 1581 § 1090 \| UL 1581 § 1100 FT2 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | Good, application-related testing \| DIN EN 60811-404 |
| Bending radius (fixed) | 5 x Outer diameter |
| Bending radius (dynamic) | 18 x Outer diameter |
| No. of bending cycles (C-track) | 0,1 Mio. @ 25 °C |
| Traversing distance (C-track) | 5 m @ 25 °C \| horizontal |
| Travel speed (C-track) | 0,5 m/s @ 25 °C |
| Torsion stress | ± 30 °/m |