

Cable plug in molded plastic - K-8E-M23M8/2,0-H00/OE-C5-S - 1622227

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Cable plug in molded plastic, length: 2 m, color of outer sheath: orange RAL 2003

Your advantages

- ✓ Transmission of signals, data, and power in just a single connector
- ✓ CAT5 data interface for up to 100 Mbps
- ✓ Our standard: robust halogen-free PUR cable
- ✓ Simple and safe: 100% electrically tested and assembled ready for use
- ✓ Designs with pre-assembled cables on one or both sides
- ✓ Customer-specific assemblies and cable lengths can be supplied

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 2 pc |
| GTIN |  4 055626 069913 |
| GTIN | 4055626069913 |
| Weight per Piece (excluding packing) | 760.000 g |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

Technical data

| | |
|------------------|------|
| Conductor length | 2 m |
| Nominal current | 26 A |

Connector specifications

| | |
|----------------------|----------------------------|
| Type | straight plastic-sheathed |
| Housing material | PUR |
| Thread type | M23 |
| Locking type | SPEEDCON locking |
| Degree of protection | IP67, when in locked state |
| | IP68, when in locked state |
| Number of positions | 4+4+4+PE |

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Technical data

Connector specifications

| | |
|-----------------------------|----------|
| Direction of rotation | Standard |
| Type of contact | Pin |
| Insertion/withdrawal cycles | 100 |
| Max. current | 30 A |
| Voltage | 630 V AC |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Rated surge voltage | 6 kV |

Cable specifications

| | |
|---|---|
| Type of cable | HDSL11Y |
| Signal type | CAT5 |
| Transmission speed | 100 Mbps (Data interface) |
| Shielded | yes |
| Cable structure | (5x 2.5 + 4x 0.34/C + 4x 0.5) C |
| Cable structure (AWG) | (14 AWG/ 5 + 22 AWG/ 4c + 20 AWG) C |
| External cable diameter | 14.6 mm ±0.4 mm |
| Outer sheath, material | PUR |
| Material wire insulation | TPE |
| External sheath, color | orange RAL 2003 |
| Single wire, color | Black 1, black 2, black 3, black 4, green/yellow Power wires + PE brown, violet, black 5, green Signal wires blue, yellow, white, orange Data wires |
| Nominal voltage, cable | 1000 V (300 V signal) |
| Test voltage | 4 kV (1.5 kV signal) |
| Rated current | 26 A (Power, according to DIN VDE 0298-4 tab. 11/5) 8 A (Signal, according to DIN VDE 0298-4 tab. 11/5) 3.6 A (Data, according to DIN VDE 0298-4 tab. 11/5) |
| Smallest bending radius, fixed installation | 73 mm |
| Smallest bending radius, movable installation | 148 mm |
| Number of bending cycles | 1000000 |
| Traversing path | 6 m |
| Acceleration | 30 m/s ² |
| Ambient temperature for fixed installation | -40 °C ... 80 °C |
| Ambient temperature for flexible installation | -30 °C ... 60 °C |
| Special properties | Flexible cable conduit capable |
| Flame resistance | IEC 60332-1-2 |
| Halogen-free | According to EN 50267-2-1 |
| Resistance to oil | EN 60811-2-1 |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

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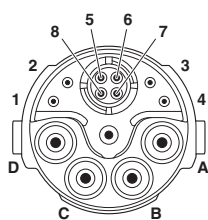
Technical data

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Schematic diagram

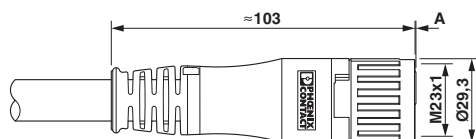


Cable cross section



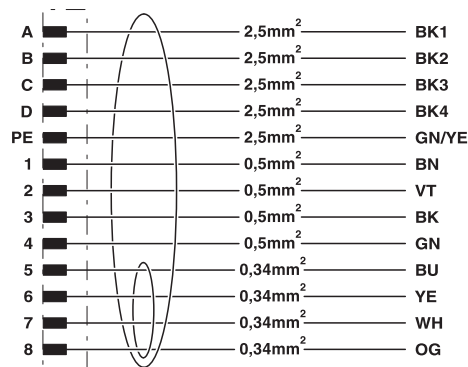
Pin assignment of pin

Dimensional drawing



Pin version: dimension A = ~ 0.3 mm, socket version: dimension A = 0 mm

Circuit diagram



Contact assignment of M23 plugs/sockets

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27060300 |
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 31251501 |
|-------------|----------|

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

| | | |
|--------------------|--|--|
| UL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E468743-20150929 |
| Nominal voltage UN | | 600 V |
| Nominal current IN | | 16 A |

| | | |
|--------------------|--|--|
| cUL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E468743-20150929 |
| Nominal voltage UN | | 600 V |
| Nominal current IN | | 16 A |

| | | |
|-----|--|---------|
| EAC | | B.00767 |
|-----|--|---------|

| | |
|--------------|--|
| cULus Listed | |
|--------------|--|

Accessories

Accessories

Conductor marking

Cable plug in molded plastic - K-8E-M23M8/2,0-H00/OE-C5-S - 162227

Accessories

Insert label - PABA WH/23 - 1013779



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 1.5 - 35 mm, lettering field size: 23 x 4 mm

Insert label - PABA YE/23 - 1013782



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 1.5 - 35 mm, lettering field size: 23 x 4 mm

Marker carrier cable

Conductor marker carrier - PATG 6/23 - 0808037



Conductor marker carrier, transparent, unlabeled, mounting type: slide on, cable diameter range: 14 - 22 mm, lettering field size: 23 x 4 mm

Protective cover

Metal protective cap - SH-Z2300 - 1622141



Metal protection cap with steel wire, for M23 hybrid connectors with knurled nut

Metal protective cap - SH-Z0077 - 1627226



Metal protection cap with steel wire and loop, for M23 power and hybrid connectors with knurled nut for fastening to the cable