

Connector in molded plastic on both sides - K-8E-M23M8/2,0-H00/M23F8-C5-S - 1622247

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Connector in molded plastic on both sides, Length: 2 m, Color of outer sheath: orange RAL 2003

Why buy this product

- Transmission of signals, data, and power in just a single connector
- CAT5 data interface
- 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 STK |
| Minimum order quantity | 2 STK |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

Technical data

Environmental Product Compliance

| | |
|------------------|-----------------|
| REACH SVHC | DOTe 15571-58-1 |
| 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 |

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Technical data

Connector specifications

| | |
|-----------------------------|----------------------------|
| | IP68, when in locked state |
| Number of positions | 4+4+4+PE |
| Direction of rotation | Standard |
| Type of contact | Socket |
| 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 | TPM (TPM/TPM/polyolefin) |
| External sheath, color | orange RAL 2003 |
| Single wire, color | Black 1, black 2, black 3, black 4, green/yellow (Power wires: black U/ L1, black V/ L2, black W/ L3, black N/ 4, green/yellow) |
| | brown, violet, black, 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 | 2.5 m/s ² |
| Ambient temperature for fixed installation | -40 °C ... 80 °C |

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Technical data

Cable specifications

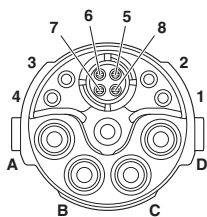
| | |
|---|--------------------------------|
| Ambient temperature for flexible installation | -30 °C ... 60 °C |
| Special properties | Flexible cable conduit capable |
| Flame resistance | IEC 60332-1-2 |
| Halogen-free | According to EN 50267-2-1 |
| Resistance to oil | EN 60811-2-1 |

Connector specifications (second page)

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

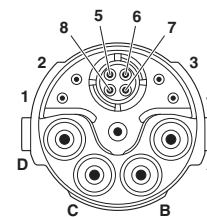
Drawings

Schematic diagram



Socket pin assignment

Schematic diagram



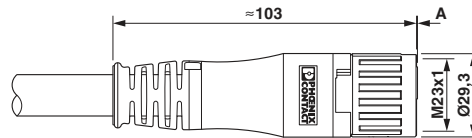
Pin assignment of pin

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Cable cross section

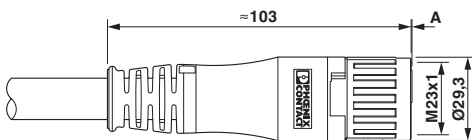


Dimensional drawing



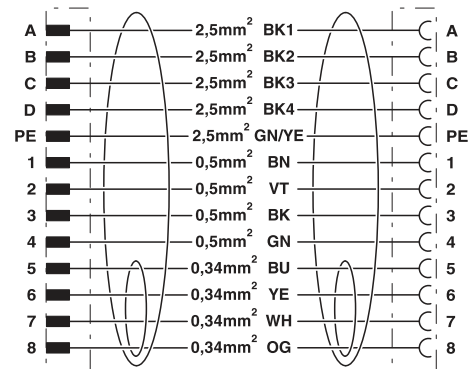
Socket side, dimension A = 0 mm

Dimensional drawing



Pin side; dimension A = ~ 0.3 mm

Circuit diagram



Contact assignment of M23 plugs/sockets

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27260702 |
| eCl@ss 8.0 | 27440102 |
| eCl@ss 9.0 | 27440103 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |

Approvals

Approvals

Approvals


UL Listed / cUL Listed / EAC / cULus Listed


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Approvals

Ex Approvals

Approval details

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

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

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

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

Accessories

Accessories

Conductor marking

Insert label - PABA WH/23 - 1013779



Insert label, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 1.5-35 mm, Lettering field: 23 x 4 mm

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Accessories

Insert label - PABA YE/23 - 1013782



Insert label, Strip, yellow, unlabeled, can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 1.5-35 mm, Lettering field: 23 x 4 mm

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