

## Connector in molded plastic on both sides - K-8E-M23M8/10,0-H00/M23F8-C5-S - 1622249

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Connector in molded plastic on both sides, length: 10 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 070056
GTIN	4055626070056
Weight per Piece (excluding packing)	3,846.000 g
Custom tariff number	85444290
Country of origin	Germany

### Technical data

Conductor length	10 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

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## Technical data

### Connector specifications

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	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 <sup>2</sup>
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

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## Technical data

Connector specifications (second page)

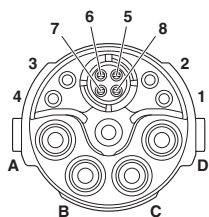
Type	straight plastic-sheathed
Housing material	PUR
Thread type	M23
Locking type	SPEEDCON locking
Degree of protection	IP67, when in locked state
	IP68, when in locked state
Number of positions	4+4+4+PE
Direction of rotation	Standard
Type of contact	Pin
Insertion/withdrawal cycles	100
Max. current	30 A
Voltage	630 V AC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV

## Environmental Product Compliance

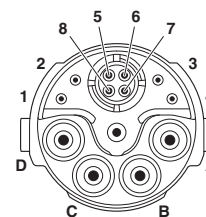
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Schematic diagram



Schematic diagram



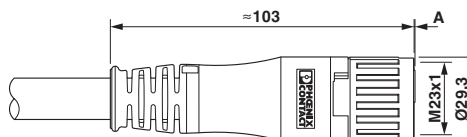
Socket pin assignment

Pin assignment of pin

Cable cross section



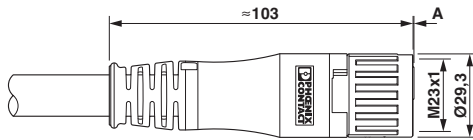
Dimensional drawing



Socket side, dimension A = 0 mm

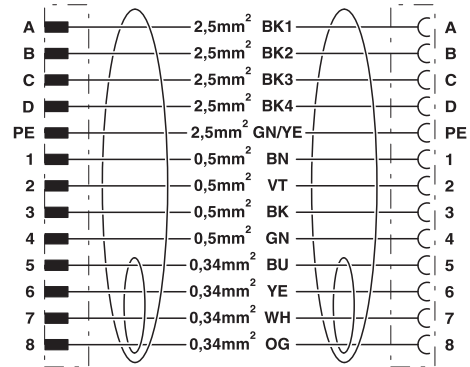
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Dimensional drawing



Pin side; dimension A = ~ 0.3 mm

Circuit diagram



Contact assignment of M23 plugs/sockets

## Classifications

### eCl@ss

eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440102
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

### ETIM

ETIM 4.0	EC002635
ETIM 5.0	EC002635
ETIM 6.0	EC002061

### UNSPSC

UNSPSC 13.2	39121413
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## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

### Approval details

# Connector in molded plastic on both sides - K-8E-M23M8/10,0-H00/M23F8-C5-S - 1622249

## Approvals

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

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

EAC		B.00767
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cULus Listed		
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## Accessories

### Accessories

#### Conductor marking

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

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### Accessories

#### Protective cover

Metal protective cap - SH-Z2300 - 1622141



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

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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

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