

## Connector in molded plastic on both sides - K-8E-M23M9/2,0-H00/M23F8-C5-S - 1622244

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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
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Conductor length	2 m
Nominal current	26 A

#### Connector specifications

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## Technical data

### 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
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

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#### Cable specifications

Smallest bending radius, movable installation	148 mm
Number of bending cycles	1000000
Traversing path	6 m
Acceleration	2.5 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

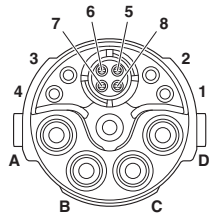
#### Connector specifications (second page)

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

# Connector in molded plastic on both sides - K-8E-M23M9/2,0-H00/M23F8-C5-S - 1622244

Schematic diagram



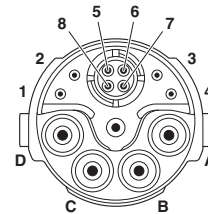
Socket pin assignment

Cable cross section



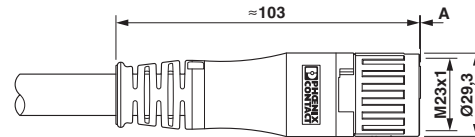
Socket side, dimension A = 0 mm

Schematic diagram

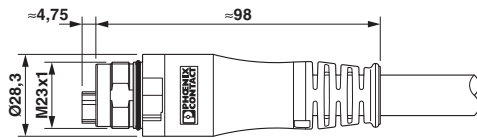


Pin assignment of pin

Dimensional drawing

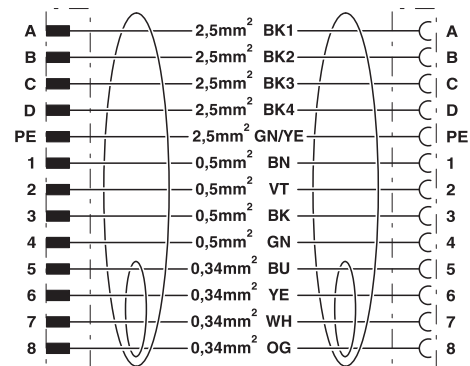


Dimensional drawing



Pin side

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

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## Classifications

### ETIM

ETIM 5.0	EC002635
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## Approvals


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UL Listed / cUL Listed / EAC / cULus Listed


#### Ex Approvals

## Approval details

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 current IN	16 A
Nominal voltage UN	600 V

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 current IN	16 A
Nominal voltage UN	600 V

EAC B.00767
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cULus Listed 
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## Accessories

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## Connector in molded plastic on both sides - K-8E-M23M9/2,0-H00/M23F8-C5-S - 1622244

### 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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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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