

K-7E-M23 M9/5,8-D03/M23 F8 - Connector in molded plastic on both sides

1627502

<https://www.phoenixcontact.com/us/products/1627502>

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Connector in molded plastic on both sides, series: KSF, M23-Socket, Straight, plastic molded, number of positions: 4+3+PE, type of locking: Screw locking mechanism. on M23-Pin, Straight, plastic molded, number of positions: 4+3+PE, cable length: 5.8 m, shielded: yes, color of outer sheath: orange RAL 2003

Your advantages

- Our standard: robust halogen-free PUR cable
- Simple and safe: 100% electrically tested and assembled ready for use
- Designs with preassembled cables on one or both sides
- High flexibility: customer-specific assemblies and cable lengths can be supplied

Commercial data

Item number	1627502
Packing unit	1 pc
Minimum order quantity	5 pc
Note	Made to order (non-returnable)
Product key	ABRDEG
GTIN	4055626321325
Weight per piece (including packing)	1,480.88 g
Weight per piece (excluding packing)	1,480.88 g
Country of origin	DE

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Technical data

Product properties

Product type	Signal and power cable
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Connector

Connector specifications

Type	Straight, plastic molded
Thread type	M23
Type of locking	Screw locking mechanism
Degree of protection	IP67, when in locked state
No. of pos.	4+3+PE
Direction of rotation	Standard
Contact switching type	Socket
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Voltage	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV
Ambient temperature (operation)	-40 °C ... 105 °C

Connector specifications (second page)

Type	Straight, plastic molded
Housing material	Die-cast zinc
Thread type	M23
Degree of protection	IP67, when in locked state
No. of pos.	4+3+PE
Direction of rotation	Standard
Contact switching type	Pin
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Voltage	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV
Ambient temperature (operation)	-40 °C ... 105 °C

Electrical properties

Max. current	26 A
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Cable/line

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Cable length	5.8 m
Cable specifications	
Cable type	PSLC11Y-J
Shielded	yes
Cable structure	4 x 2.5 mm ² + 2 x 2 x 1.0 mm ² StC
External cable diameter	13.50 mm ±0.4 mm
Outer sheath, material	PUR
Material wire insulation	TPM
External sheath, color	orange RAL 2003
Nominal voltage, cable	1000 V
Test voltage	4 kV (2 kV signal)
Smallest bending radius, movable installation	135 mm
Max. bending cycles	10000000
Bending radius	135 mm
Traversing path	6 m
Acceleration	5 m/s ²
Ambient temperature (operation) for fixed installation	-40 °C ... 80 °C
Ambient temperature (operation) for flexible installation	-20 °C ... 60 °C
Special properties	Flexible cable conduit capable
Flame resistance	IEC 332-1
Halogen-free	DIN VDE 0472

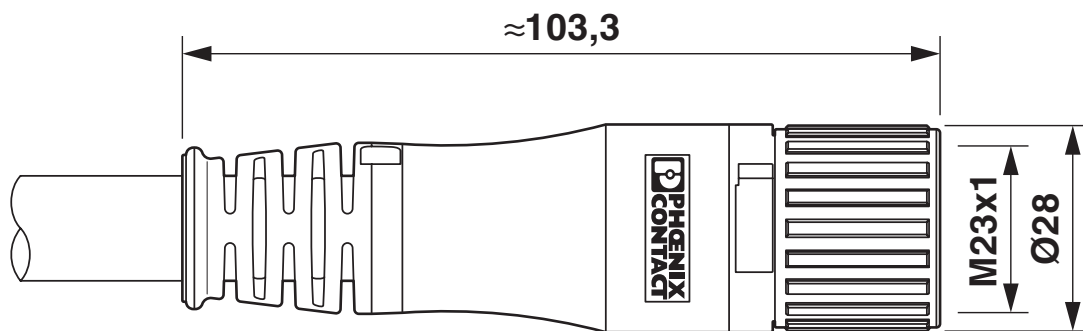
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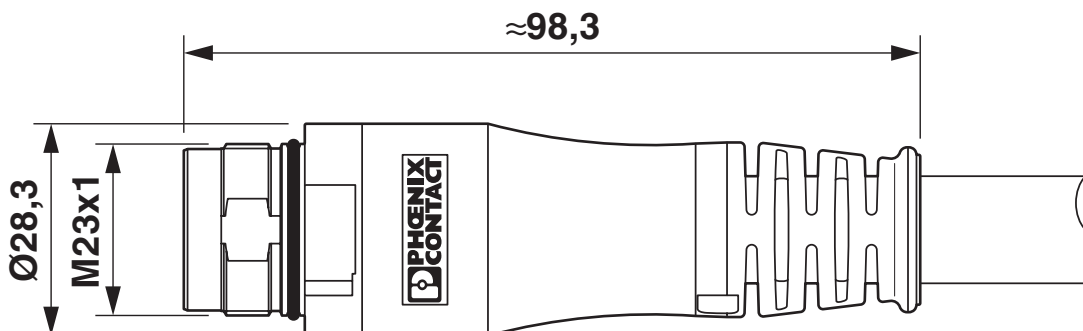
Drawings

Dimensional drawing



On the female side

Dimensional drawing



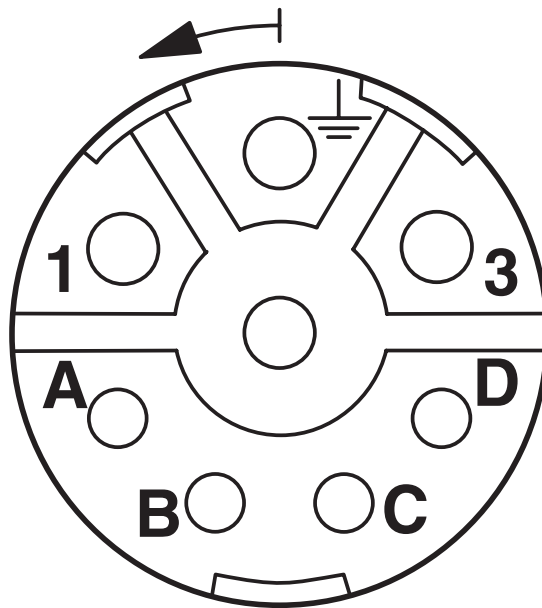
Pin side

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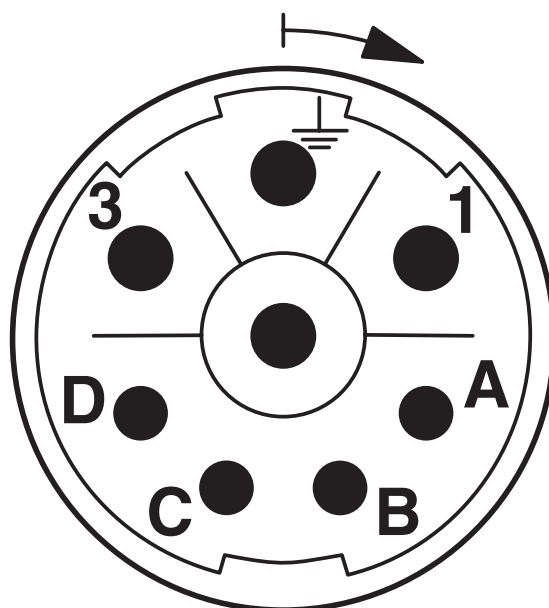
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Schematic diagram



Socket pin assignment

Schematic diagram



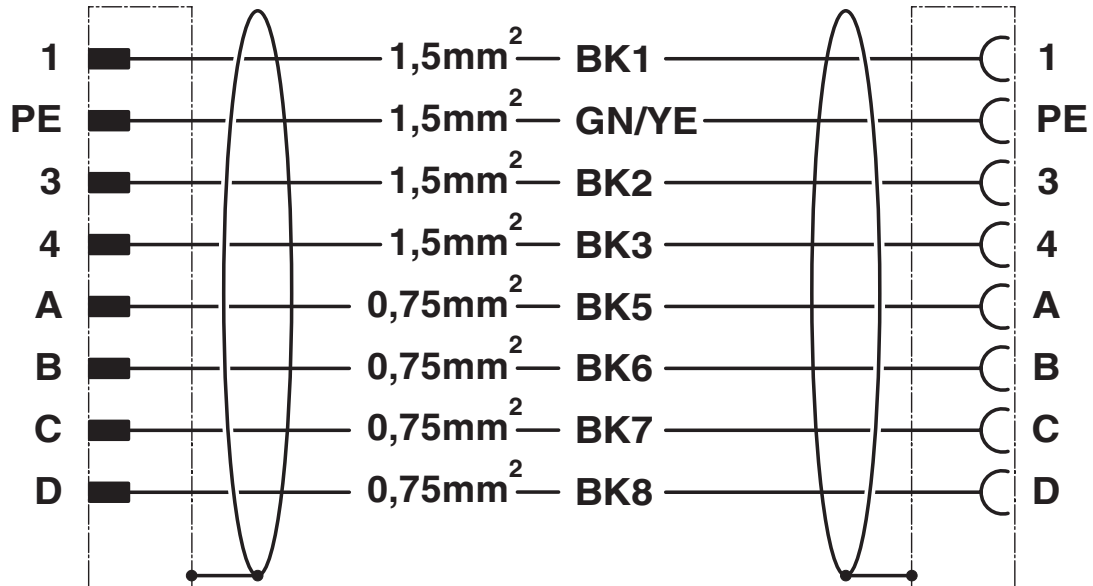
Pin assignment of pin

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Circuit diagram



Contact assignment of M23 plugs/sockets

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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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