

K-17-M23 M9/5,0-E01/M23 F8 - Connector in molded plastic on both sides

1619296
<https://www.phoenixcontact.com/us/products/1619296>

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Connector in molded plastic on both sides, Straight, plastic molded, Straight, plastic molded, cable length: 5 m, shielded: yes, color of outer sheath: green, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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	1619296
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB34
Product key	ABRDFG
GTIN	4046356835152
Weight per piece (including packing)	796.789 g
Weight per piece (excluding packing)	796.789 g
Customs tariff number	85444290
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
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Cable specifications

Cable type	SSLC11Y
Shielded	yes
Cable structure	3 x 2 x 0.14 mm ² + 2 x 0.5 mm ² + 4 x 0.14 mm ² + 4 x 0.22 mm ²
Cable structure (AWG)	26 AWG/3pr + 20 AWG/2c + 26 AWG/4c + 24 AWG/4c
External cable diameter	9.40 mm
Outer sheath, material	TPU
Material wire insulation	TPU
External sheath, color	green
Nominal voltage, cable	30 V
Test voltage	0.5 kV
Rated current	9 A
Smallest bending radius, fixed installation	38 mm
Smallest bending radius, movable installation	94 mm
Ambient temperature (operation) for fixed installation	-30 °C ... 80 °C
Ambient temperature (operation) for flexible installation	-30 °C ... 60 °C

Connector specifications (second page)

Type	Straight, plastic molded
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Electrical properties

Nominal current I _N	9 A
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Cable/line

Cable length	5 m
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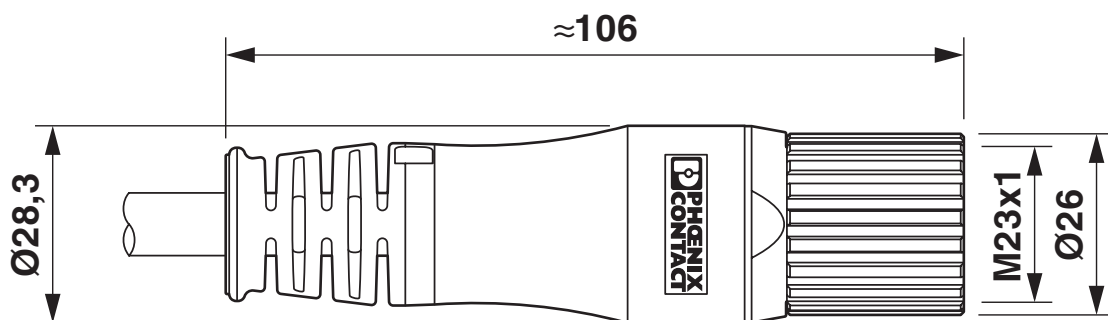


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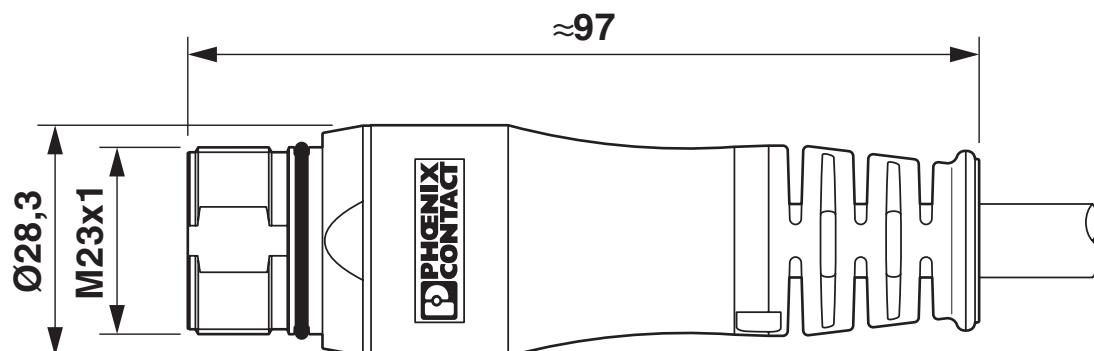
Drawings

Dimensional drawing



On the female side

Dimensional drawing



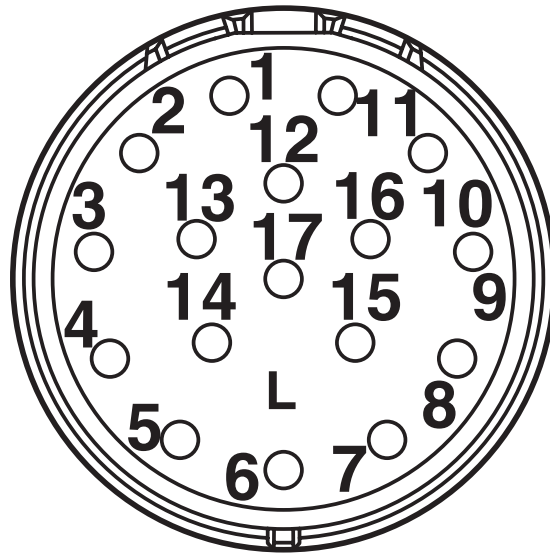
Pin side

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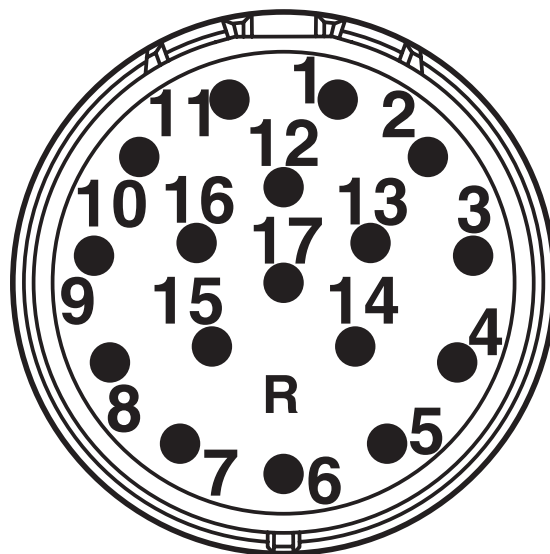
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Schematic diagram



Socket pin assignment

Schematic diagram



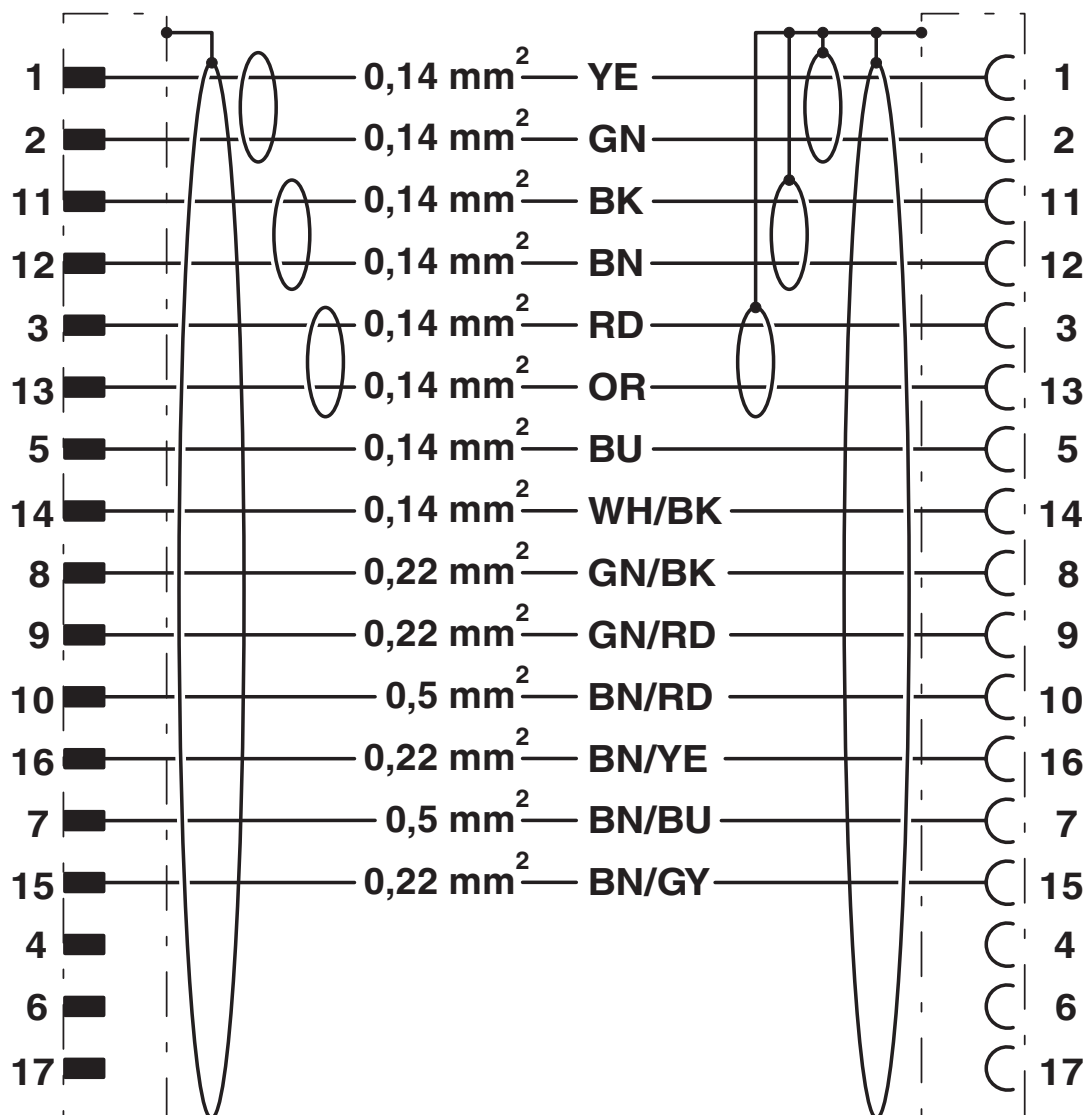
Pin assignment of pin

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Circuit diagram



Contact assignment of M23 plugs/sockets

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Approvals

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EAC

Approval ID: 19060508



UL Listed

Approval ID: E335019-20140707

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	30 V	5 A	-	-
Signal	30 V	2 A	-	-
Data	30 V	1 A	-	-



cUL Listed

Approval ID: E335019-20140707

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	30 V	5 A	-	-
Signal	30 V	2 A	-	-
Data	30 V	1 A	-	-

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Classifications

ECLASS	
ECLASS-13.0	27060106
ETIM	
ETIM 9.0	EC003250
UNSPSC	
UNSPSC 21.0	26121600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(b), 6(c)

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.)	Lead(CAS: 7439-92-1)
SCIP	1a1742a6-809e-4ae1-ac3d-123621ed2b23

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