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K-12 - OE/5,0-E00/M23 F8 - Cable plug in molded plastic

1619273

https://www.phoenixcontact.com/gb/products/1619273

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Cable plug in molded plastic, Straight, plastic molded, number of positions: 12, type of locking: Screw locking mechanism, cable length: 5 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	1619273
Packing unit	1 pc
Minimum order quantity	2 pc
Sales key	ABRDFA
Product key	ABRDFA
Catalog page	Page 217 (C-2-2019)
GTIN	4046356833455
Weight per piece (including packing)	608.8 g
Weight per piece (excluding packing)	585.923 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Product type	Signal and power cable

Connector

Connector specifications

Type	Straight, plastic molded
Housing material	Die-cast zinc
Type of locking	Screw locking mechanism
Degree of protection	IP67, when in locked state
No. of pos.	12
Direction of rotation	Standard
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Max. current	8 A
Voltage	48 V AC
	74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV
Ambient temperature (operation)	-40 °C ... 105 °C

Cable specifications

Cable type	RSL9YSLC11Y
Shielded	yes
Cable structure	4 x 2 x 0.25 mm² + 2 x 0.5 mm²
Cable structure (AWG)	24 AWG/4pr + 20 AWG/2c
External cable diameter	8.00 mm
Outer sheath, material	TPU
Material wire insulation	PP
External sheath, color	orange RAL 2003
Test voltage	1 kV
Rated current	9 A
Smallest bending radius, fixed installation	40 mm
Smallest bending radius, movable installation	60 mm
Ambient temperature (operation) for fixed installation	-40 °C ... 80 °C
Ambient temperature (operation) for flexible installation	-20 °C ... 60 °C

Electrical properties

Nominal current I_N	9 A

Cable/line

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Cable length	5 m

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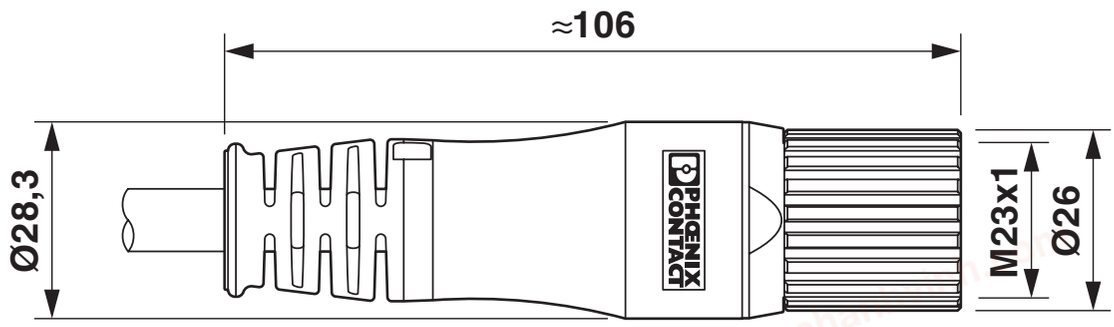
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Drawings

Dimensional drawing



Dimensional drawing

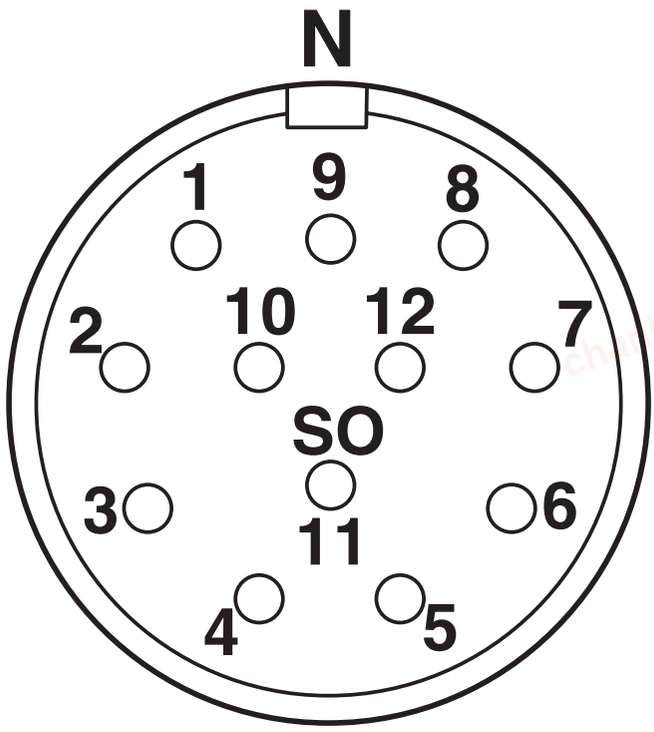
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Schematic diagram



Connector pin assignment

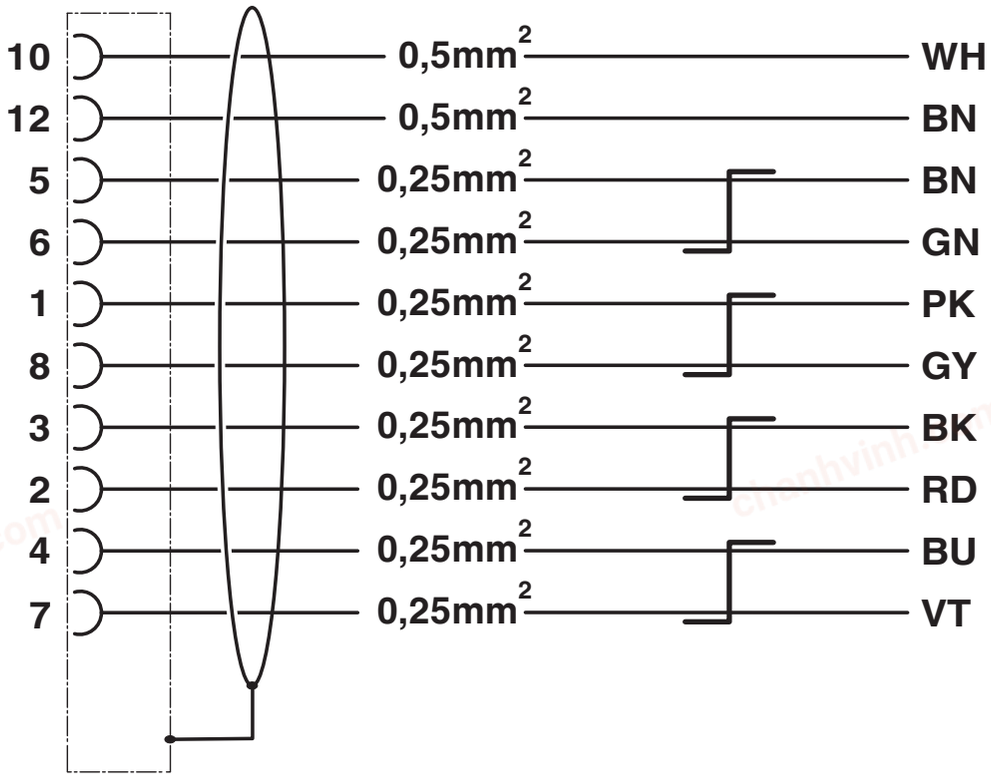
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Circuit diagram



Contact assignment of M23 plugs/sockets

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1619273

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	48 V	5 A	-	-
Signal	48 V	2 A	-	-

cUL Listed
Approval ID: E335019-20140707

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	5 A	-	-
Signal	48 V	2 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	b50c6b0d-15df-4b94-9c94-d04b9eb35d22

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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk