

Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Connector in molded plastic on both sides, length: 2 m, 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 pre-assembled cables on one or both sides
- ✓ High flexibility: customer-specific assemblies and cable lengths can be supplied



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	2 pc
GTIN	 4 046356 835114
GTIN	4046356835114

Technical data

Conductor length	2 m
Nominal current	9 A

Connector specifications

Type	straight plastic-sheathed
Housing material	Zinc die-cast
Thread type	M23
Locking type	Screw locking
Degree of protection	IP67, when in locked state
Number of positions	12
Direction of rotation	Counter direction

Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289

Technical data

Connector specifications

Type of contact	Socket
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Max. current	8 A
Voltage	150 V
Overvoltage category	II
Degree of pollution	3
Rated surge voltage	1.5 kV
Ambient temperature (operation)	-40 °C ... 105 °C

Cable specifications

Type of cable	RSL9YSLC11Y
Shielded	yes
Cable structure	4 x 2 x 0.25 mm ² + 2 x 0.5 mm ²
Cable structure (AWG)	24 AWG/4pr + 20 AWG/2c
External cable diameter	8 mm
Outer sheath, material	TPU
Material wire insulation	PP
External sheath, color	orange RAL 2003
Nominal voltage, cable	300 V
Test voltage	1 kV
Rated current	9 A
Smallest bending radius, fixed installation	40 mm
Smallest bending radius, movable installation	60 mm
Ambient temperature for fixed installation	-40 °C ... 80 °C
Ambient temperature for flexible installation	-20 °C ... 60 °C

Connector specifications (second page)

Type	straight plastic-sheathed
Housing material	Zinc die-cast
Thread type	M23
Degree of protection	IP67, when in locked state
Number of positions	12
Direction of rotation	Counter direction
Type of contact	Pin
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Max. current	8 A
Voltage	150 V
Overvoltage category	II

Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289

Technical data

Connector specifications (second page)

Degree of pollution	3
Rated surge voltage	1.5 kV
Ambient temperature (operation)	-40 °C ... 105 °C

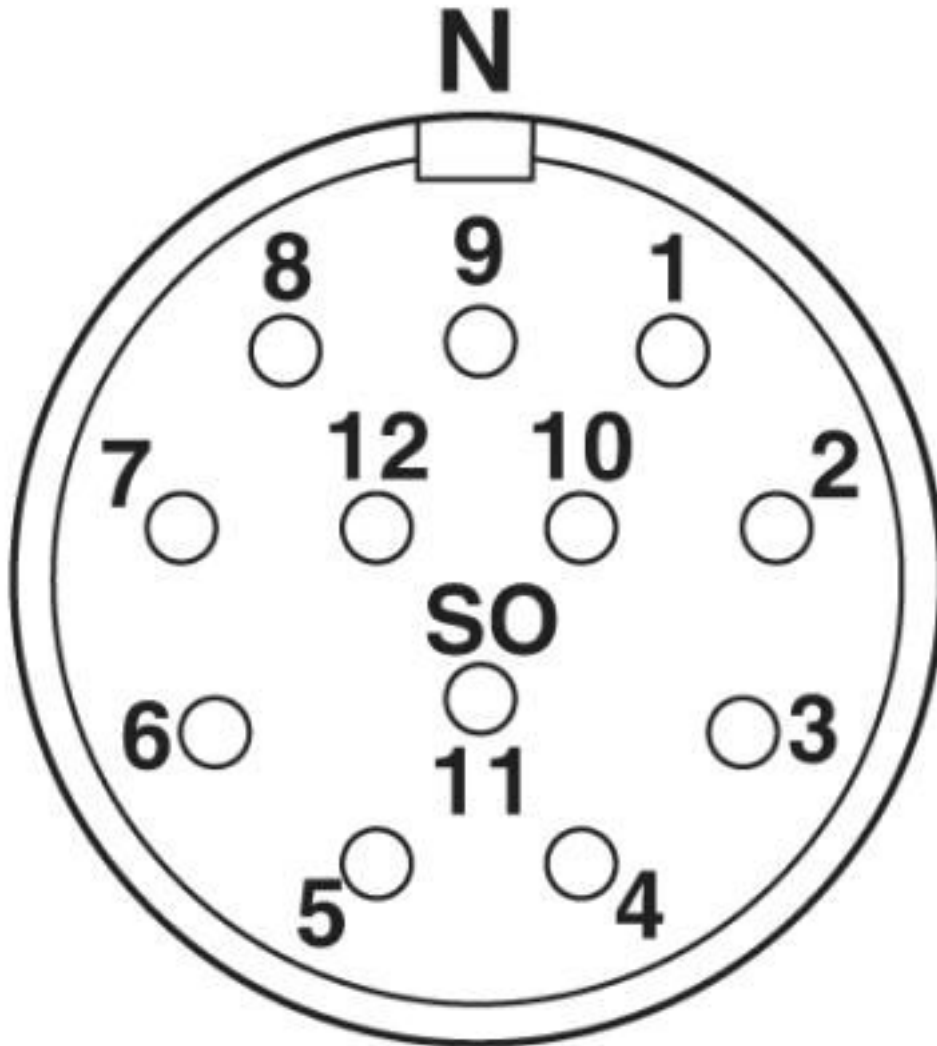
Environmental Product Compliance

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

Drawings

Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23
F8-N2 - 1619289

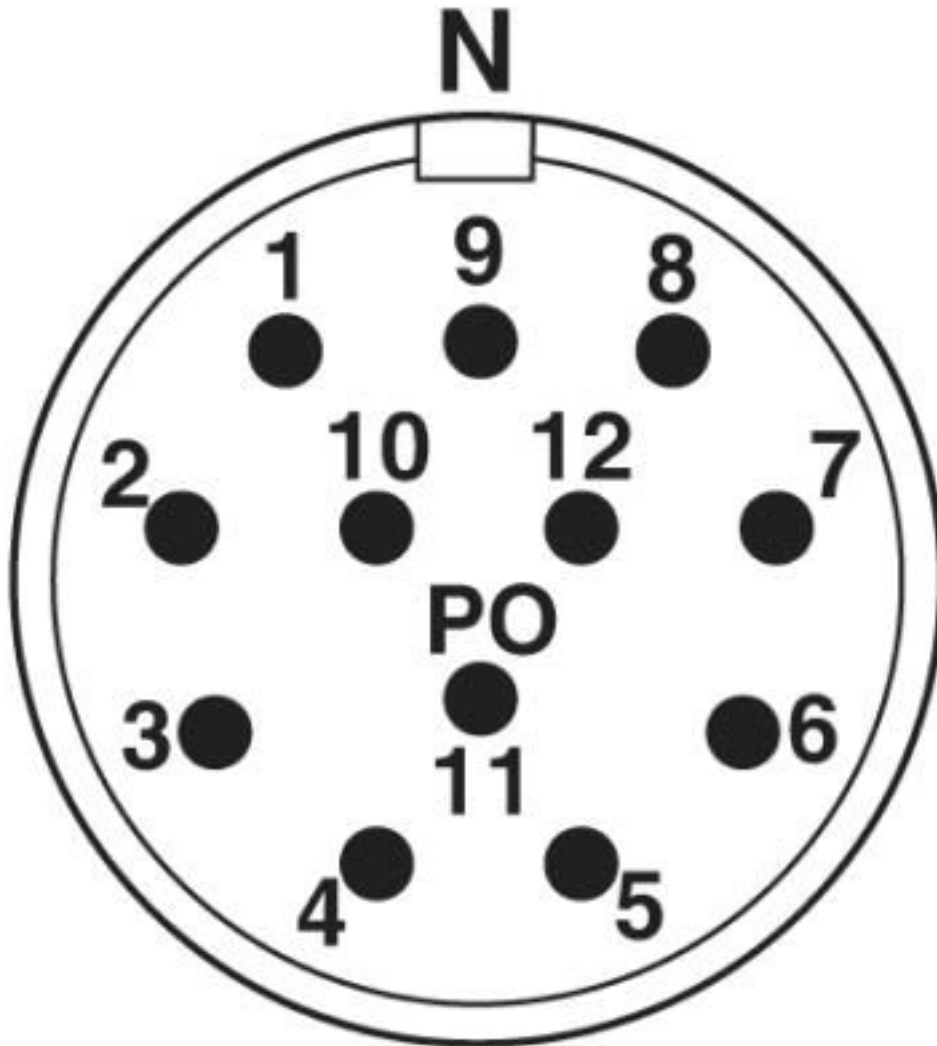
Schematic diagram



Socket pin assignment

Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289

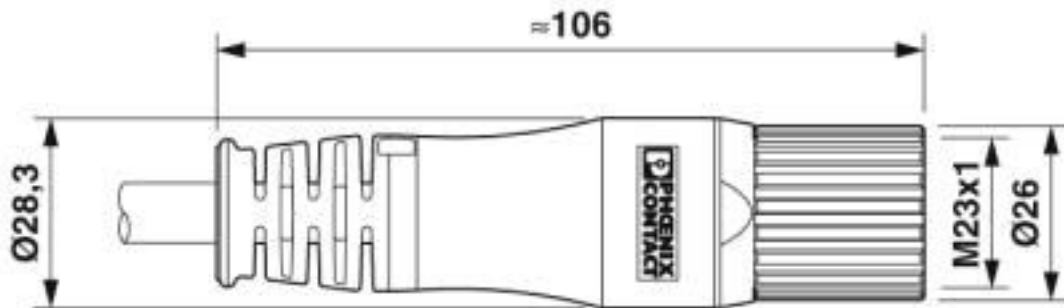
Schematic diagram



Pin assignment of pin

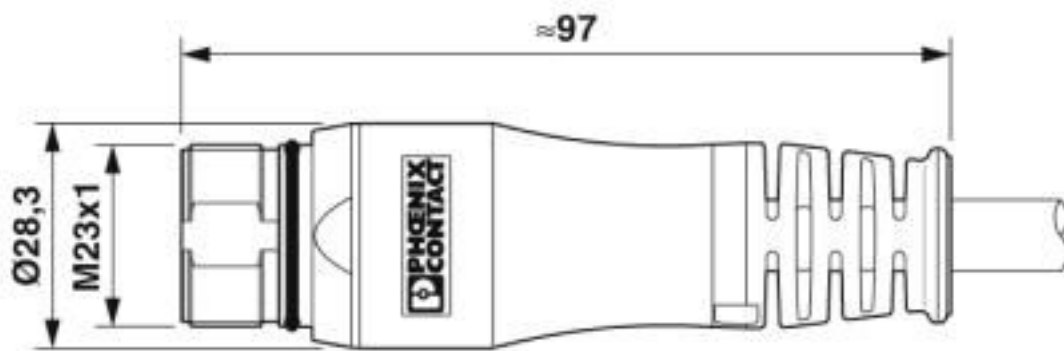
Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289

Dimensional drawing



On the female side

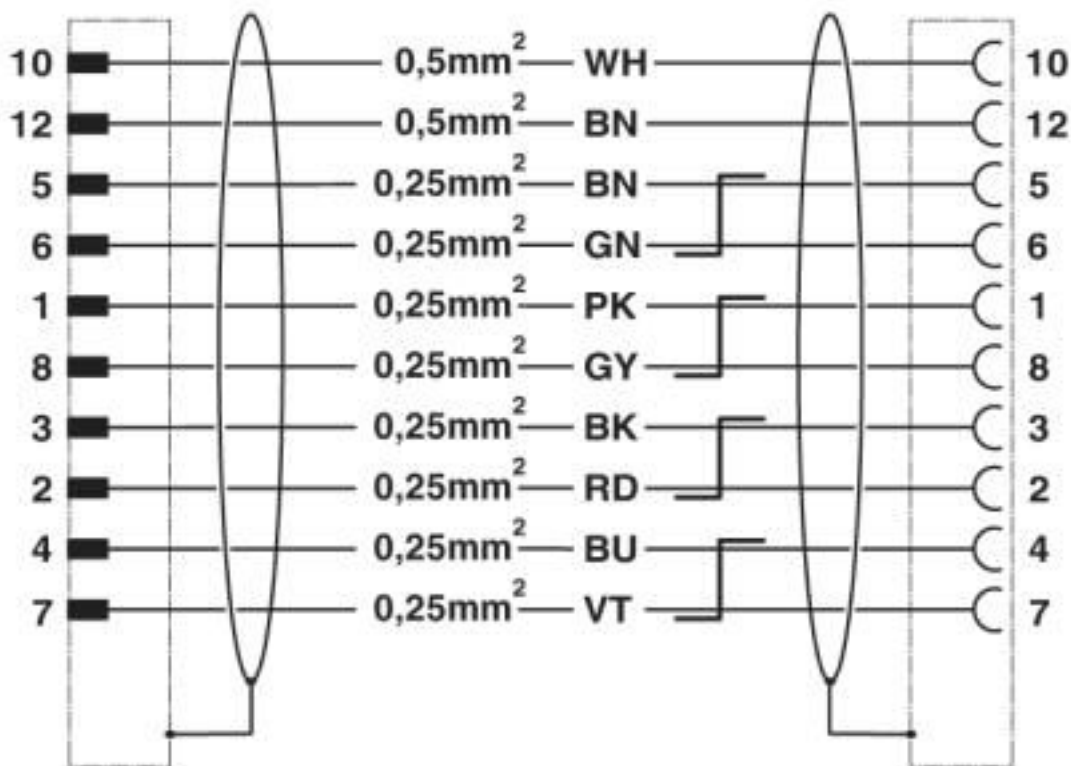
Dimensional drawing



Pin side

Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289

Circuit diagram



Contact assignment of M23 plugs/sockets

Classifications

eCl@ss

eCl@ss 10.0.1	27060106
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27061800
eCl@ss 5.1	27061800
eCl@ss 6.0	27062000
eCl@ss 7.0	27062011
eCl@ss 8.0	27062011
eCl@ss 9.0	27062011

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001855
ETIM 5.0	EC001578
ETIM 6.0	EC001578

Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289

Classifications

ETIM

ETIM 7.0	EC003250
----------	----------

UNSPSC

UNSPSC 6.01	26121604
UNSPSC 7.0901	26121604
UNSPSC 11	26121604
UNSPSC 12.01	26121604
UNSPSC 13.2	26121604
UNSPSC 18.0	39121465
UNSPSC 19.0	39121465
UNSPSC 20.0	39121465
UNSPSC 21.0	39121465

Approvals


Approvals


Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E335019-20140707
Nominal voltage UN	150 V	
Nominal current IN	5 A	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E335019-20140707
Nominal voltage UN	150 V	
Nominal current IN	5 A	

Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289

Approvals

EAC		B.00286/19
-----	--	------------

cULus Listed	
--------------	--

Accessories

Accessories

Conductor marking

Insert label - PABA WH/15 - 1013151



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 ... 50 mm, lettering field size: 15 x 4 mm, Number of individual labels: 20

Insert label - PABA YE/15 - 1013698



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 ... 50 mm, lettering field size: 15 x 4 mm, Number of individual labels: 20

Insert label - PABA RD/15 - 1013944



Insert label, Strip, red, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 ... 50 mm, lettering field size: 15 x 4 mm, Number of individual labels: 20

Cutting tools

Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289

Accessories

Diagonal cutter - CUTFOX-S VDE - 1212207



Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Phoenix Contact 2020 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[1619289](#)