

Cable connector - M17-3ES1N8A8002



1629043

<https://www.phoenixcontact.com/pc/products/1629043>

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 documentation. Our General Terms of Use for Downloads are valid.



Cable connector, M17 PRO, straight, shielded: yes, Screw locking, M17, No. of pos.: 3+PE, Direction of rotation: Standard, type of contact: Socket, contact diameter 2 mm, Crimp connection, cable diameter range: 3.5 mm ... 6.5 mm, coding:N

Your advantages

- Solutions with cross-manufacturer compatibility for standard and fast locking systems
- Reliable under the harshest conditions: cable connectors with vibration brake
- Modern, consistent design for highly convenient operation
- Easy, cost-effective cable assembly: uniform shielding of M17 to M40

Cable connector - M17-3ES1N8A8002



1629043

<https://www.phoenixcontact.com/pc/products/1629043>

Commercial Data

Item number	1629043
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Product Key	ABRCHA
GTIN	4055626706221
Weight per Piece (including packing)	22.22 g
Weight per Piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	DE

Technical Data

Notes

Order information:	Order 4 x Ø 2 mm crimp contacts separately
--------------------	--

Safety note

Safety note	<p>WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p>
	<ul style="list-style-type: none"> • WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	<ul style="list-style-type: none"> • WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
	<ul style="list-style-type: none"> • The products are suitable for applications in plant, controller, and electrical device engineering.
	<ul style="list-style-type: none"> • When operating the connectors in outdoor applications, they must be separately protected against environmental influences.
	<ul style="list-style-type: none"> • Assembled products may not be manipulated or improperly opened.
	<ul style="list-style-type: none"> • Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
	<ul style="list-style-type: none"> • When using the product in direct connection with third-party manufacturers, the user is responsible.
	<ul style="list-style-type: none"> • For operating voltages > 50 V AC, conductive connector housings must be grounded
	<ul style="list-style-type: none"> • Ensure that the protective or functional ground has been properly connected.
	<ul style="list-style-type: none"> • VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector
	<ul style="list-style-type: none"> • Only use tools recommended by Phoenix Contact
	<ul style="list-style-type: none"> • The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	<ul style="list-style-type: none"> • Operate the connector only when it is fully plugged in and interlocked.
<ul style="list-style-type: none"> • Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards. 	
<ul style="list-style-type: none"> • Observe the minimum bending radius of the cable. Lay the cable without twisting it. 	
<ul style="list-style-type: none"> • The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting 	

Cable connector - M17-3ES1N8A8002



1629043

<https://www.phoenixcontact.com/pc/products/1629043>

warnings (e.g. DIN EN ISO 13732-1:2008-12).

Product properties

Product type: Circular connector (cable-side)

Ambient conditions

Ambient temperature (operation): -40 °C ... 105 °C (see derating curve)

Connector

Application	Power
Contact type	Socket, contact diameter 2 mm
Number of positions	4
Connection profile	3+PE
Coding	N
Insertion/withdrawal cycles	100
Connection method	Crimp connection
Material	PA 6.6
Direction of rotation	Standard
Contact diameter	2 mm
Type of locking	Screw locking
Thread type	M17
Housing material	GD-Zn
Degree of protection	IP67
	IP68, 24 h / 2 m

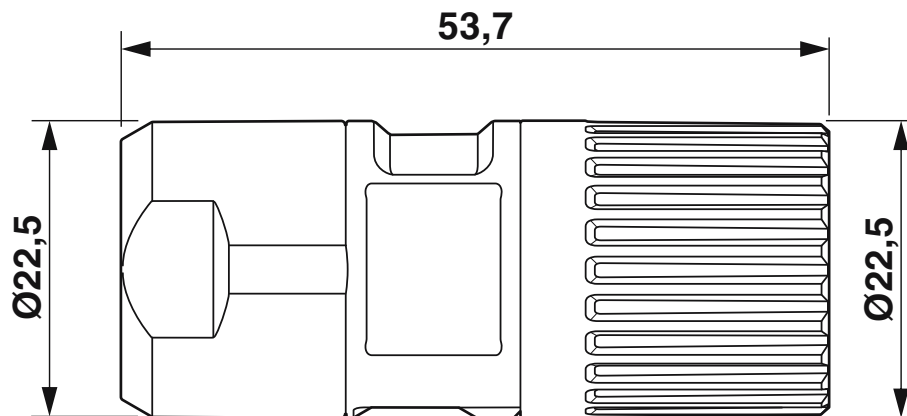
Cable connector - M17-3ES1N8A8002

1629043

<https://www.phoenixcontact.com/pc/products/1629043>

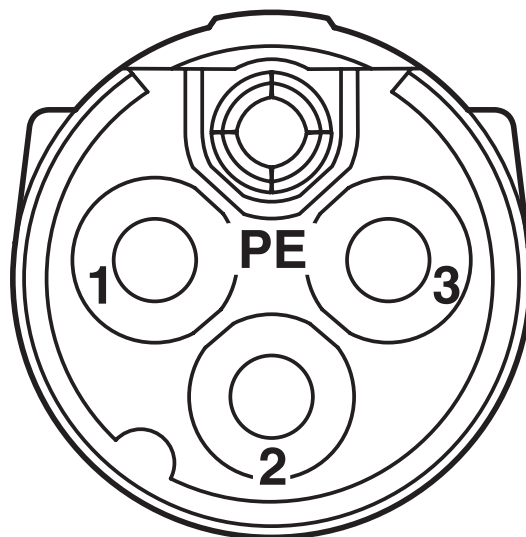
Drawings

Dimensional drawing



Dimensional drawing

Schematic diagram

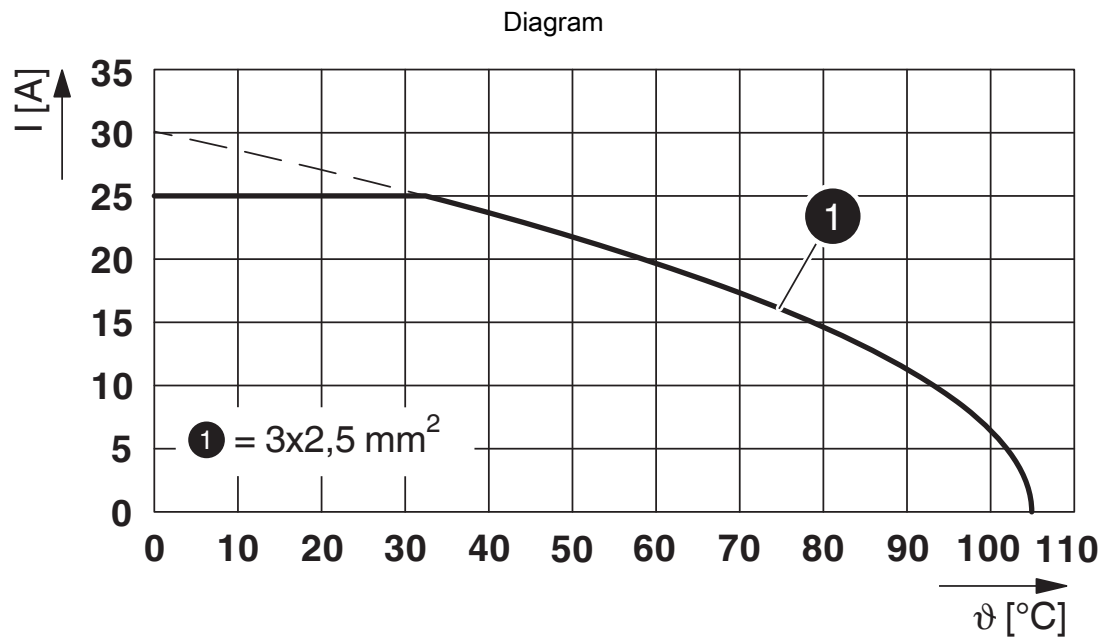


Connector pin assignment

Cable connector - M17-3ES1N8A8002

1629043

<https://www.phoenixcontact.com/pc/products/1629043>



I = current strength, ϑ = ambient temperature, 3x 25 A

Cable connector - M17-3ES1N8A8002



1629043

<https://www.phoenixcontact.com/pc/products/1629043>

Classifications

ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

ETIM

ETIM 8.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

Cable connector - M17-3ES1N8A8002



1629043

<https://www.phoenixcontact.com/pc/products/1629043>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Cable connector - M17-3ES1N8A8002



1629043

<https://www.phoenixcontact.com/pc/products/1629043>

Accessories

Torque screwdriver

Torque screwdriver - TSD-M 1,2NM - 1212224

<https://www.phoenixcontact.com/pc/products/1212224>



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

Adapter insert

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600

<https://www.phoenixcontact.com/pc/products/1212600>



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Cable connector - M17-3ES1N8A8002

1629043

<https://www.phoenixcontact.com/pc/products/1629043>

Crimp contact

Crimp contact - ST-20KS010 - 1607657

<https://www.phoenixcontact.com/pc/products/1607657>



Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.25 mm² ... 1 mm²

Crimp contact

Crimp contact - ST-20KS020 - 1607658

<https://www.phoenixcontact.com/pc/products/1607658>



Crimp contact, turned, Single contact, contact diameter: 2 mm, crimp range: 1 mm² ... 2.5 mm²

Cable connector - M17-3ES1N8A8002

1629043

<https://www.phoenixcontact.com/pc/products/1629043>

Metal protective cap

Metal protective cap - ST-Z0077 - 1627217

<https://www.phoenixcontact.com/pc/products/1627217>



Metal protection cap with steel wire and loop for M17 connectors with knurled nut for fastening to the cable

Plastic protective cap

Plastic protective cap - PROT-M17PRO-IT-IP20 - 1055709

<https://www.phoenixcontact.com/pc/products/1055709>



Plastic protective cap, M17, degree of protection: IP20, series: M17 PRO

Cable connector - M17-3ES1N8A8002

1629043

<https://www.phoenixcontact.com/pc/products/1629043>

Tool

Tool - M17-Z0011 - 1089155

<https://www.phoenixcontact.com/pc/products/1089155>

Nut for assembling M17-PRO series cable connectors and for 4 mm hexagonal drive



Phoenix Contact 2022 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com