

1628516

https://www.phoenixcontact.com/pc/products/1628516

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M17, Device connector front mounting, series: M17 PRO, angled rotatable, for standard and ONECLICK fast locking system, No. of pos.: 3+PE, Direction of rotation: Standard, contact connection type: Socket, contact diameter 2 mm, Crimp connection, flange dimensions: 28 mm x 28 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0. 1%)

Your advantages

- · Solutions with cross-manufacturer compatibility for standard and fast locking systems
- · Modern, consistent design for highly convenient operation
- · Crimping connection: vibration- and temperature-resistant assembly
- · All housing can be fitted with pin or socket contacts
- · Safe use in the field, thanks to high degree of protection

Commercial data

Item number	1628516
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRBAM
GTIN	4055626707242
Weight per piece (including packing)	93.6 g
Weight per piece (excluding packing)	93.6 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

General	Order 4 x Ø 2 mm crimp contacts separately
safety note	
Safety note	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	 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.
	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.
	• The products are suitable for applications in plant, controller, and electrical device engineering.
	When operating the connectors in outdoor applications, they must be separately protected against environmental influences.
	 Assembled products may not be manipulated or improperly opened.
	 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).
	 When using the product in direct connection with third-party manufacturers, the user is responsible.
	 For operating voltages > 50 V AC, conductive connector housings must be grounded
	 Ensure that the protective or functional ground has been properly connected.
	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
	Only use tools recommended by Phoenix Contact
	 The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	 Operate the connector only when it is fully plugged in and interlocked.
	 Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
	Observe the minimum bending radius of the cable. Lay the cable without twisting it.
	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



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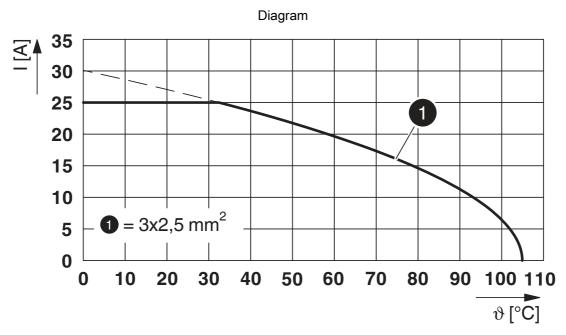
Product type Circular connectors (device side) Prial specifications Flammability rating according to UL 94 V0 nector ulating body Coding N Insulation body material Insertion/withdrawal cycles Connection method Connection method Contact switching type Application Power Application Power Number of positions Direction of rotation Connection profile Contact diameter Power Contacts Litz wire cross-section Power contacts min. Litz wire cross-section Power contacts max. Rated current Power contacts Rated voltage Rated voltage Rated voltage Rated surge voltage Overvoltage category Ill Degree of pollution Installation height using Housing material Flange dimensions Type of locking For standard and ONECLICK fast locking systems Type of locking For standard and ONECLICK fast locking systems Type of locking For max connecticins for standard and ONECLICK fast locking systems Type of locking For standard and ONECLICK fast locking systems Type of locking	luct properties	
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Housing material GD-Zn Flange dimensions 28 mm x 28 mm Type of locking for standard and ONECLICK fast locking sys	pusing	
Type of locking for standard and ONECLICK fast locking sys	Housing material	GD-Zn
	Flange dimensions	28 mm x 28 mm
Degree of protection (plugged in)	Type of locking	for standard and ONECLICK fast locking system
	Degree of protection (plugged in)	IP67
IP68, 24 h / 2 m		IP68, 24 h / 2 m
Thread type M17	Thread type	M17
	nbient conditions	
bient conditions	Ambient temperature (operation)	-40 °C 105 °C (see derating curve)



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Drawings



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

Dimensional drawing M17x1 192 25,4 1,2 36,9 □28

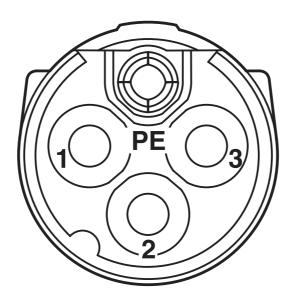
Dimensional drawing



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Schematic diagram



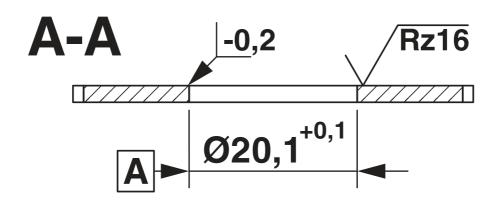
Connector pin assignment

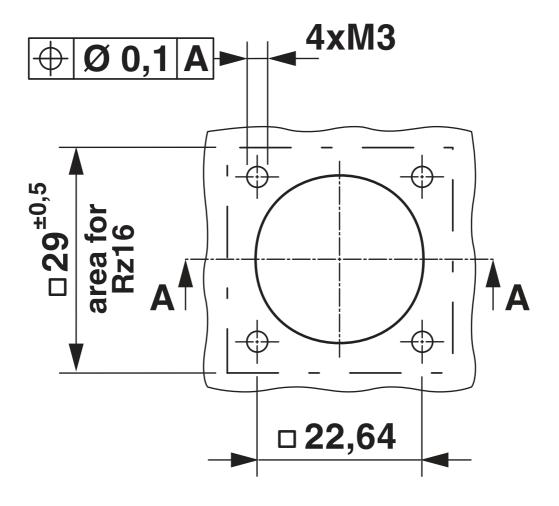


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Dimensional drawing





Installation dimensions



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Classifications

UNSPSC 21.0

ECLASS

	ECLASS-11.0	27440109	
	ECLASS-12.0	27440109	
	ECLASS-13.0	27440109	
ETIM			
	ETIM 8.0	EC003569	
UNSPSC			

39121400



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Environmental product compliance

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



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Accessories

M17PRO-VIB-ORING - Sealing ring

1431550

https://www.phoenixcontact.com/pc/products/1431550

Vibration O-ring, optional accessory for M17 PRO device connectors



ST-20KS010 - Crimp contact

1607657

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



Crimp contact, Socket, turned, contact diameter: 2 mm, crimp range: $0.25~\text{mm}^2$.. 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1237423



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ST-20KS020 - Crimp contact

1607658

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



Crimp contact, Socket, turned, Single contact, contact diameter: 2 mm, crimp range: $1~\text{mm}^2$... $2.5~\text{mm}^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1237423

PROT-M17PRO-OT-IP20 - Plastic protective cap

1055708

https://www.phoenixcontact.com/pc/products/1055708



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



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PROT-M17PRO-OT-IP67 - Plastic protective cap

1055717

https://www.phoenixcontact.com/pc/products/1055717



Plastic protective cap, M17, degree of protection: IP67, series: M17 PRO

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