

1628509

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M17, Device connector front mounting, series: M17 PRO, angled rotatable, for standard and ONECLICK fast locking system, No. of pos.: 6+PE, contact connection type: Pin, 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	1628509
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB30
Product key	ABRBAM
GTIN	4055626707174
Weight per piece (including packing)	104.2 g
Weight per piece (excluding packing)	104.2 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

General	Order 7 x Ø 1 mm crimp contacts separately
afety 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 an operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicate 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. are applicable when combining several circuits in a cable and/o 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 t ambient conditions, the surface of the connector can continue t warm up. In this case, the user is responsible for posting



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		warnings (e.g. DIN EN ISO 13732-1:2008-12).
Product properties		
	Product type	Circular connectors (device side)
Material specifications		
	Flammability rating according to UL 94	V0

Connector

nsulating body	
Coding	Ν
Insertion/withdrawal cycles	100
Connection method	Crimp connection
Contact switching type	Pin
Application	Power
Number of positions	7
Connection profile	6+PE
Contact diameter Power contacts	1 mm
Litz wire cross-section Power contacts min.	0.06 mm ²
Litz wire cross-section Power contacts max.	1 mm ²
Rated current Power contacts	14 A
Note	for max. connection cross section
Rated voltage	630 V
Rated surge voltage	6 kV
Overvoltage category	III
Degree of pollution	3

Housing

Housing material	GD-Zn
Flange dimensions	28 mm x 28 mm
Type of locking	for standard and ONECLICK fast locking system
Degree of protection (plugged in)	IP67
	IP68, 24 h / 2 m
Thread type	M17

Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-40 °C 105 °C (see derating curve)
Ambient temperature (storage/transport)	15 °C 25 °C
Permissible humidity (storage/transport)	50 % 65 %



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Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

ETIM

	ETIM 9.0	EC003569
UNSPSC		
	UNSPSC 21.0	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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