

1628505

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M17, Device connector front mounting, series: M17 PRO, angled rotatable, for standard and ONECLICK fast locking system, No. of pos.: 7+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	1628505
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB30
Product key	ABRBAM
GTIN	4055626707136
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

Notes

General	Order 8 x Ø 1 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) rial specifications Flammability rating according to UL 94 V0 Detector Ulating body Coding N Insertion/withdrawal cycles Connection method Contact switching type Number of positions Connection profile Contact diameter Power contacts Litz wire cross-section Power contacts min. Litz wire cross-section Power contacts max. Rated current Power contacts Note Rated voltage Rated surge voltage Covervoltage category Ulation Degree of pollution Installation height Solo V Circular connectors (device side) V0 V0 Circular connectors (device side) V0 V0 V1 V1 V1 V1 V2 V2 V2 V3 V4 V5 V4 V6 V6 V6 V7 V6 V6 V7 V7 V7 V7		warnings (e.g. DIN EN ISO 13732-1:2008-12).
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Litz wire cross-section Power contacts min. Litz wire cross-section Power contacts max. Rated current Power contacts Note For max. connection cross section Rated voltage Rated surge voltage Overvoltage category Degree of pollution Installation height Degree of pollution Litz wire cross-section Power contacts max. 1 mm² 14 A For max. connection cross section 630 V 6 kV 111 1200 m 12000 m	Connection profile	7+PE
Litz wire cross-section Power contacts max. Rated current Power contacts Note For max. connection cross section For m	Contact diameter Power contacts	1 mm
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 Installation height 2000 m Housing material GD-Zn	Litz wire cross-section Power contacts min.	0.06 mm ²
Note for max. connection cross section Rated voltage 630 V Rated surge voltage 6 kV Overvoltage category III Degree of pollution 3 Installation height 2000 m Housing material GD-Zn	Litz wire cross-section Power contacts max.	1 mm²
Rated voltage 630 V Rated surge voltage 6 kV Overvoltage category III Degree of pollution 3 Installation height 2000 m Housing material GD-Zn	Rated current Power contacts	14 A
Rated surge voltage 6 kV Overvoltage category III Degree of pollution 3 Installation height 2000 m Using Housing material GD-Zn	Note	for max. connection cross section
Overvoltage category III Degree of pollution 3 Installation height 2000 m Installation material GD-Zn	Rated voltage	630 V
Degree of pollution 3 Installation height 2000 m Using Housing material GD-Zn	Rated surge voltage	6 kV
nstallation height 2000 m using Housing material GD-Zn	Overvoltage category	III
using Housing material GD-Zn	Degree of pollution	3
Housing material GD-Zn	Installation height	2000 m
Housing material GD-Zn	using	
	Housing material	GD-Zn
Flange dimensions 28 mm x 28 mm	Flange dimensions	28 mm x 28 mm
Type of locking for standard and ONECLICK fast locking	Type of locking	for standard and ONECLICK fast locking system
Degree of protection (plugged in) IP67	Degree of protection (plugged in)	IP67
IP68, 24 h / 2 m		IP68, 24 h / 2 m
Thread type M17	Thread type	M17
	bient conditions	
bient conditions	Ambient temperature (operation)	-40 °C 105 °C (see derating curve)
	Ambient temperature (storage/transport)	15 °C 25 °C
Ambient temperature (operation) -40 °C 105 °C (see derating curve)		



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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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