

1621561

https://www.phoenixcontact.com/us/products/1621561

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M23, Device connector front mounting, series: SH, angled rotatable, for standard and SPEEDCON interlock, No. of pos.: 4+4+4+PE / 3+N+PE, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Axial O-ring, 4x Ø 3.2, flange dimensions: 28 mm x 28 mm, coding: N

Your advantages

- Easy connection, thanks to infinitely adjustable cable outlet direction up to 310°
- · Transmission of signals, data, and power in just a single connector
- · CAT5 data interface for up to 100 Mbps
- · Safe use in the field, thanks to high degree of protection
- Consistent EMC protection for reliable connection solutions in the industrial environment

Commercial data

Item number	1621561
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB33
Product key	ABRCDM
Catalog page	Page 120 (C-2-2019)
GTIN	4046356937092
Weight per piece (including packing)	146 g
Weight per piece (excluding packing)	111.11 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

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



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Flammability rating according to UL 94 V0 Connector Type angled rotatable Insulating body Note Order information: Crimp contacts, 4x Ø 0.8 mm, 4x Ø 1 mm, 5x Ø 2 mm, order separately Protection against electric shock IEC 61984 and VDE 0623 Data rate 100 Mbps Coding N Insulation body material PA 6.6 Insertion/withdrawal cycles 100 Connection method Crimp connection Contact switching type Pin Application Hybrid Number of positions 13 Direction of rotation Standard Connection profile 4+4+4+PE / 3+N+PE Contact diameter POWEr Contacts Litz wire cross-section POWEr Contacts min. Litz wire cross-section Power contacts Note for max. connection cross section Rated current POWEr contact Rated voltage (III/3) power contact Rated v	lounting	
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Housing Flange dimensions aterial specifications Flammability rating according to UL 94 V0 Donnector Type angled rotatable Insulating body Note Order information: Crimp contacts, 4x Ø 0.8 mm, 4x Ø 1 mm, 5x Ø 2 mm, order separately Protection against electric shock Data rate 100 Mbps Coding N Insulation body material Insertion/withdrawal cycles 100 Connection method Crimp connection Connection for totalion Litz wire or oss-section Power contacts min. Litz wire cross-section Power contacts max. Rated current Power contacts Rated current Power contact Rated voltage (II/3) power contact Litz wire cross-section Signal contacts min. U.06 mm² Litz wire cross-section Signal contacts min. O.06 mm² Litz wire cross-section Signal contacts min. O.06 mm²	roduct properties	
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Litz wire cross-section Signal contacts min. 0.06 mm²	Rated voltage (III/3) power contact	630 V AC
LIZ WIFE CLOSS-SECTION SIGNAL CONTACTS IIIIII.	Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts max.	Litz wire cross-section Signal contacts min.	0.06 mm²
	Litz wire cross-section Signal contacts max.	1 mm²



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Nominal current per signal contact	8 A
Note	for max. connection cross section
Rated surge voltage	1.5 kV
Rated voltage (III/3) signal contact	50 V
Contact diameter Data contacts	0.8 mm
Litz wire cross-section Data contacts min.	0.08 mm ²
Litz wire cross-section Data contacts max.	0.5 mm²
Rated current per data contact at 25°C	3.6 A
Note	for max. connection cross section
Rated voltage Data contacts	50 V
Rated surge voltage	1.5 kV
Installation height	2000 m

Housing

Note	The suitability for assembly must be checked when fully assigned with maximum wire cross sections.
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Flange dimensions	28 mm x 28 mm
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Degree of protection (plugged in)	IP67
	IP68
	IP69K
Thread type	M23

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C 115 °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
UN	NSPSC	
	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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