

1620660

https://www.phoenixcontact.com/us/products/1620660

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Device connector front mounting, angled rotatable, for standard and SPEEDCON interlock, M23, number of positions: 4+3+PE, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, flange dimensions: 26 mm x 26 mm, degree of protection: IP67, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts, number of positions: 8, connection method: Crimp connection, series: SF

Your advantages

- Easy connection, thanks to infinitely adjustable cable outlet direction up to 310°
- Consistent EMC protection for reliable connection solutions in the industrial environment
- · Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1620660
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB32
Product key	ABRBFM
Catalog page	Page 156 (C-2-2019)
GTIN	4046356840989
Weight per piece (including packing)	133.7 g
Weight per piece (excluding packing)	123.6 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

General	Order crimp contacts 4 x Ø 1 mm, 4 x Ø 2 mm 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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	warnings (e.g. DIN EN ISO 13732-1:2008-12).
Nounting	
Mounting	4x Ø 3.2
Product properties	
Product type	Circular connectors (device side)
Number of positions	8
Connection profile	4+3+PE
Application	Power
Series	SF
Shielded	yes
Coding	N
Thread type	M23
Dimensions Housing	
Flange dimensions	26 mm x 26 mm
. langs americans	25 × 25
Material specifications	
Flammability rating according to UL 94	V0
Seal material	FPM
Housing material	Metal
Electrical properties Contact	
Contact diameter	2 mm
Max. current	30 A
Nominal voltage U _N	
	630 V
Overvoltage category	630 V III
Overvoltage category Degree of pollution	III 3
Overvoltage category	III
Overvoltage category Degree of pollution	III 3
Overvoltage category Degree of pollution Rated surge voltage	III 3
Overvoltage category Degree of pollution Rated surge voltage Contact	III 3 6 kV
Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter	III 3 6 kV
Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter Max. current	1 mm 9 A
Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter Max. current Nominal voltage U _N	III 3 6 kV 1 mm 9 A 250 V
Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category	III 3 6 kV 1 mm 9 A 250 V III
Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution	III 3 6 kV 1 mm 9 A 250 V III 3
Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage Connection data	III 3 6 kV 1 mm 9 A 250 V III 3
Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage	III 3 6 kV 1 mm 9 A 250 V III 3



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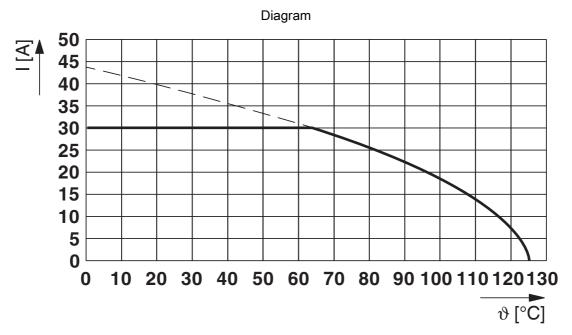
Contact connection type	Pin	
Connector		
Туре	angled rotatable	
Connection 1		
Head design	Pin	
Environmental and real-life conditions Ambient conditions		
Degree of protection	IP67	
Ambient temperature (operation)	-40 °C 125 °C	
Altitude	3000 m	



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Drawings



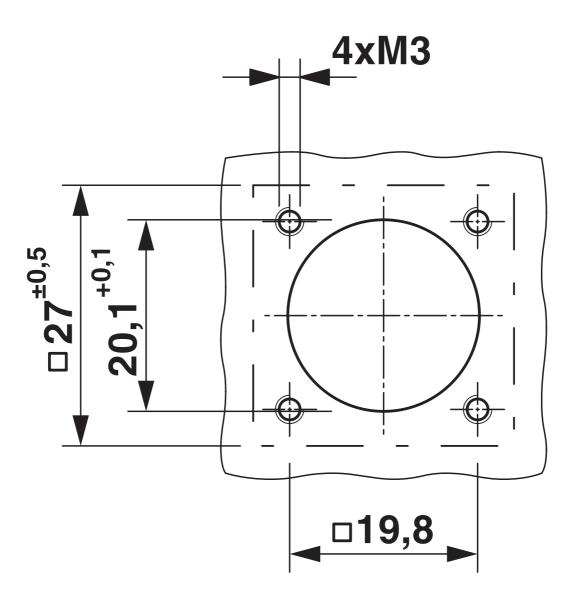
I = current strength, T = ambient temperature



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Dimensional drawing



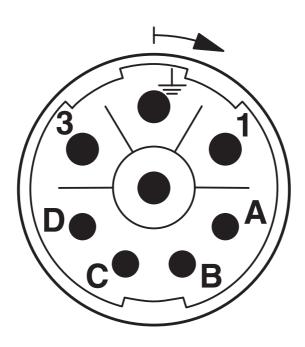
Installation dimensions



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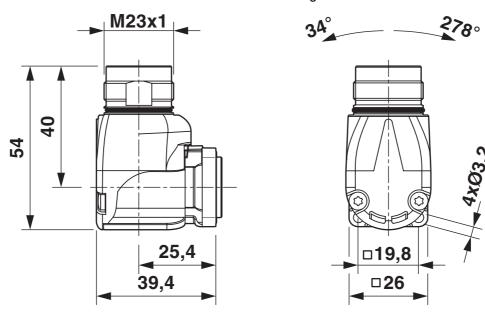
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Schematic diagram



Connector pin assignment

Dimensional drawing



Dimensional drawing



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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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