

1620664

https://www.phoenixcontact.com/us/products/1620664

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Device connector front mounting, angled rotatable, for standard and SPEEDCON interlock, M40, number of positions: 4+3+PE, contact connection type: Pin, Axial O-ring, shielded: yes, flange dimensions: 40 mm x 40 mm, number of positions: 8, connection method: Crimp connection, series: SM

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	1620664
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB32
Product key	ABRBGM
GTIN	4046356841016
Weight per piece (including packing)	451.3 g
Weight per piece (excluding packing)	393.093 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

Order information:	Order crimp contacts 4 x Ø 2 mm, 4 x Ø 3.6 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).
Mounting	
Mounting type	Front mounting/square flange (4x Ø 4,4 mm)
Product properties	
Product type	Circular connectors (device side)
Series	SM
Application	Power
Number of positions	8
Connection profile	4+3+PE
Shielded	yes
Coding	N
Thread type	M40
Dimensions	
Housing	
Flange dimensions	40 mm x 40 mm
Contact diameter Nominal current I _N	3.6 mm 70 A
Nominal current I _N	70 A
Nominal voltage U _N	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV
Contact: Contact group 2	
Contact diameter	2 mm
Nominal current I _N	30 A
Nominal voltage U _N	250 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	4 kV
Connection data	
Conductor connection	
Connection method	Crimp connection
Contact connection type	Pin
Connector	
Туре	
IVA	angled rotatable



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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		

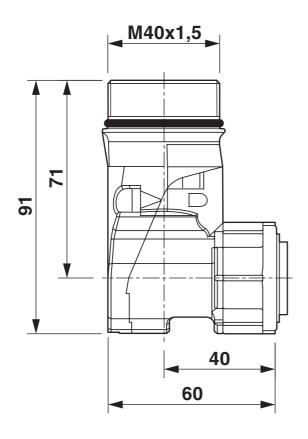


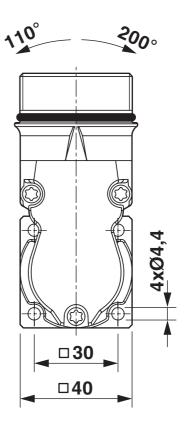
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Drawings

Dimensional drawing





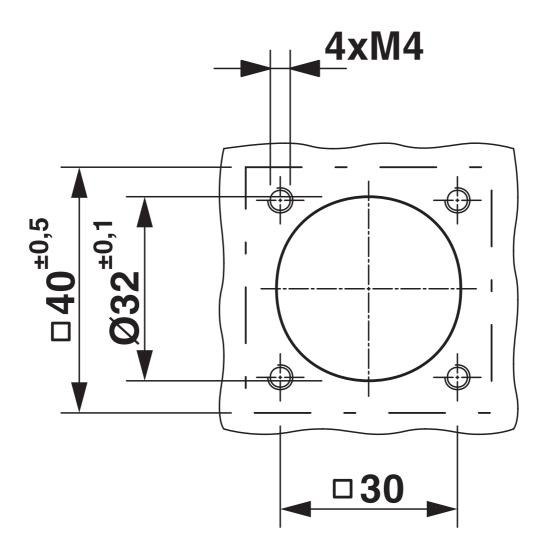
Dimensional drawing



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Dimensional drawing



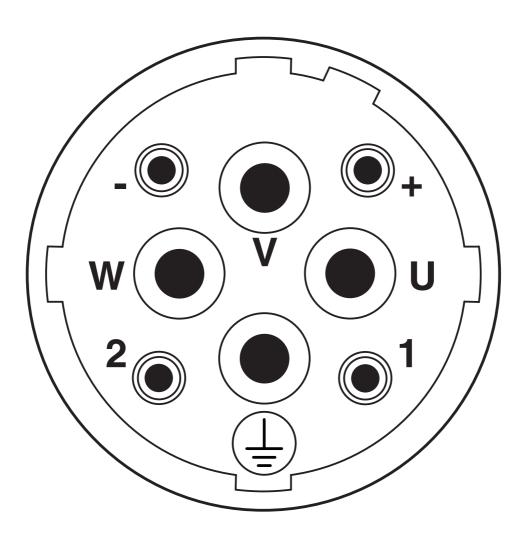
Installation dimensions



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Schematic diagram

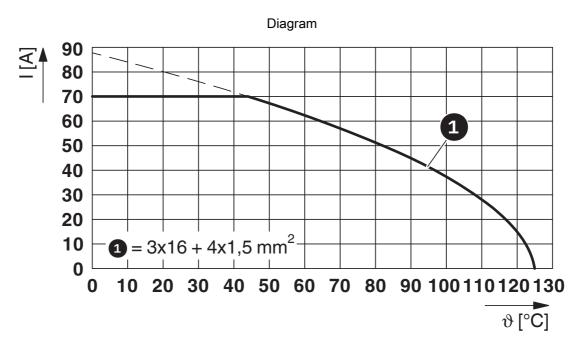


Connector pin assignment



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I = current strength, T = ambient temperature



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1620664

CUL Recognized Approval ID: E153698-20150903				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
Power	600 V	40 A	-	-
Signal	600 V	20 A	-	-

UL Recogniz Approval ID: E15	UL Recognized Approval ID: E153698-20150903			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
Power	600 V	65 A	-	-
Signal	600 V	30 A	-	-



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Classifications

ECLASS

	ECLASS-13.0	27440109	
	ECLASS-15.0	27440109	
ETIM			
	ETIM 9.0	EC003569	
UNSPSC			
	UNSPSC 21.0	39121400	



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com