

1619194

https://www.phoenixcontact.com/pc/products/1619194

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Device connector front mounting, straight, for standard and SPEEDCON interlock, M17, number of positions: 7+PE, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, flange dimensions: 25.75 mm x 25.75 mm, degree of protection: IP67, number of positions: 8, connection method: Crimp connection, series: ST

Your advantages

- · Ideal for compact devices
- Consistent EMC protection for reliable connection solutions in the industrial environment
- · Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1619194
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRBEL
Catalog page	Page 137 (C-2-2019)
GTIN	4046356827362
Weight per piece (including packing)	44.5 g
Weight per piece (excluding packing)	33.7 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

Order information:	Order crimp contacts Ø 1 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
Mounting	4x Ø 3.2
Product properties	
Product type	Circular connectors (device side)
Series	ST
Application	Power
Number of positions	7+PE
Connection profile	
Shielded	yes
Coding	N M17
Thread type	M17
Data management status	
Article revision	05
Housing	
Flange dimensions	25.75 mm x 25.75 mm
Flange dimensions Material specifications	25.75 mm x 25.75 mm
Naterial specifications	
Material specifications Seal material	FPM
Material specifications Seal material Housing material	
Material specifications Seal material Housing material	FPM
Material specifications Seal material Housing material	FPM
Material specifications Seal material Housing material Electrical properties	FPM
Material specifications Seal material Housing material Electrical properties Contact	FPM Metal
Material specifications Seal material Housing material Electrical properties Contact Contact diameter	FPM Metal
Material specifications Seal material Housing material Electrical properties Contact Contact diameter Max. current	FPM Metal 1 mm 14 A
Material specifications Seal material Housing material Electrical properties Contact Contact diameter Max. current Nominal voltage U _N	FPM Metal 1 mm 14 A 630 V
Material specifications Seal material Housing material Electrical properties Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category	FPM Metal 1 mm 14 A 630 V III
Material specifications Seal material Housing material Electrical properties Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution	FPM Metal 1 mm 14 A 630 V III 3
Alaterial specifications Seal material Housing material Electrical properties Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage	FPM Metal 1 mm 14 A 630 V III 3
Material specifications Seal material Housing material Electrical properties Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage Contact	FPM Metal 1 mm 14 A 630 V III 3 6 kV
Material specifications Seal material Housing material Electrical properties Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage Contact Contact Contact Contact Contact Contact diameter Max. current	FPM Metal 1 mm 14 A 630 V III 3 6 kV
Material specifications Seal material Housing material Electrical properties Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter	FPM Metal 1 mm 14 A 630 V III 3 6 kV
Material specifications Seal material Housing material Electrical properties Contact Contact diameter Max. current Nominal voltage U _N Overvoltage category Degree of pollution Rated surge voltage Contact Contact diameter Max. current	FPM Metal 1 mm 14 A 630 V III 3 6 kV



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Connector

Туре	straight
Direction of rotation	Standard
Connection 1	
Head design	Pin

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C 125 °C
Ambient temperature (storage/transport)	15 °C 25 °C
Altitude	2000 m
Permissible humidity (storage/transport)	50 % 65 %

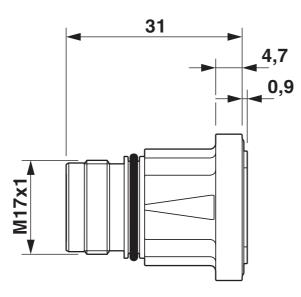


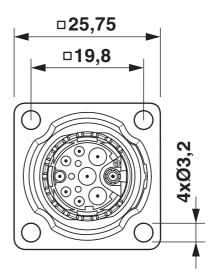
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Drawings

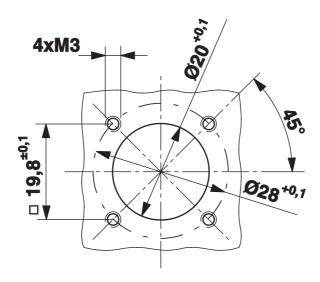
Dimensional drawing





Technical drawings can be found under Downloads

Schematic diagram



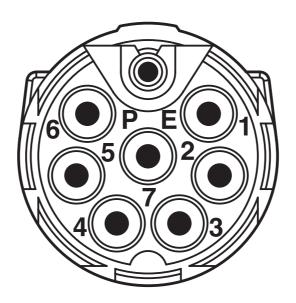
Installation dimensions



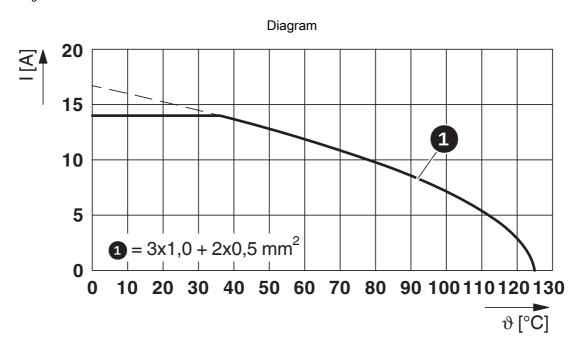
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Schematic diagram



Connector pin assignment



I = current strength, ϑ = ambient temperature, 3x 14 A + 2x 2 A constant



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1619194

UL Recogniz Approval ID: E15	zed 3698-20140124			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	600 V	5 A	-	-
Signal	600 V	4 A	-	-

cUL Recognized Approval ID: E153698-2	20140124			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	600 V	5 A	-	-
Signal	600 V	4 A	-	-

Appr	L Recognized roval ID: E335019-20111129			
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	600 V	5 A	-	-
Signal	600 V	4 A	-	-

UL Recognized Approval ID: E335019-2	20111129			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	600 V	5 A	-	-
Signal	600 V	4 A	-	-

UL Listed Approval ID: E468743-202	10825			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	600 V	10 A	-	18 - 18
Signal	60 V	2 A	-	19 - 18

cUL Listed Approval ID: E468743-202	210825			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	600 V	8 A	18 - 18	-
Signal	60 V	2 A	19 - 18	-



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cULus Listed



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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116
ETIM	
ETIM 9.0	EC002635
UNSPSC	

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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Accessories

ST-10KP010 - Crimp contact

1618255

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Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: $0.06~\text{mm}^2$... $0.25~\text{mm}^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1~%) item no.: 1243215

ST-10KP035 - Crimp contact

1618458

https://www.phoenixcontact.com/pc/products/1618458



Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: $0.25 \text{ mm}^2 \dots 1 \text{ mm}^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243215



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ST-Z0019 - Color coding

1620621

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Color coding, color: green



ST-Z0020 - Color coding

1620622

https://www.phoenixcontact.com/pc/products/1620622

Color coding, color: orange





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ST-Z0021 - Color coding

1620623

https://www.phoenixcontact.com/pc/products/1620623

Color coding, color: black



ST-Z0014 - Metal protective cap

1616069

https://www.phoenixcontact.com/pc/products/1616069



Metal protective cap, M17, degree of protection: IP67, series: ST, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243010



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ST-Z0013 - Metal protective cap

1616068

https://www.phoenixcontact.com/pc/products/1616068



Metal protective cap, M17, degree of protection: IP67, series: ST, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243009

ST-Z0001 - Contact removal tool

1607770

https://www.phoenixcontact.com/pc/products/1607770



Unlocking tool for contact carriers for snapping in the M17 device connectors



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PROT-M17PRO-OT-IP20 - Plastic protective cap

1055708

https://www.phoenixcontact.com/pc/products/1055708



Plastic protective cap, M17, degree of protection: IP20, series: M17 PRO

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