

1619197

https://www.phoenixcontact.com/us/products/1619197

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Device connector front mounting, straight, for standard and SPEEDCON interlock, M17, number of positions: 8, contact connection type: Socket, 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	1619197
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRACL
Catalog page	Page 67 (C-2-2019)
GTIN	4046356827393
Weight per piece (including packing)	33.6 g
Weight per piece (excluding packing)	33.6 g
Customs tariff number	85366990
Country of origin	DE



1619197

https://www.phoenixcontact.com/us/products/1619197

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			



1619197

https://www.phoenixcontact.com/us/products/1619197

	warnings (e.g. DIN EN ISO 13732-1:2008-12).
	warnings (e.g. Din En 150 15732-1:2008-12).
lounting	
Mounting type	Front mounting
Mounting	4x Ø 3.2
roduct properties	
Product type	Circular connectors (device side)
Series	ST
Application	Signal
Number of positions	8
Connection profile	8
Shielded	yes
Coding	N
Thread type	M17
Data management status	
Article revision	03
Housing Flange dimensions	25.75 mm x 25.75 mm
laterial specifications	
Seal material	FPM
Housing material	Metal
lectrical properties	
Contact	
Contact diameter	1 mm
Max. current	8 A
Nominal voltage U _N	48 V AC 74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV
onnection data	
Conductor connection	
Connection method	Crimp connection
Contact connection type	Socket
onnector	
Туре	atus inlet
Direction of rotation	straight Standard



1619197

Altitude

https://www.phoenixcontact.com/us/products/1619197

Connection 1			
Head design	Socket		
Environmental and real-life conditions Ambient conditions			
Degree of protection	IP67		
Ambient temperature (operation)	-40 °C 125 °C		

3000 mm

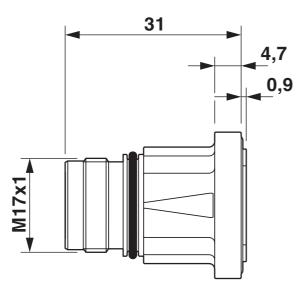


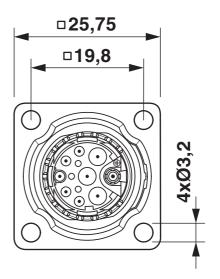
1619197

https://www.phoenixcontact.com/us/products/1619197

Drawings

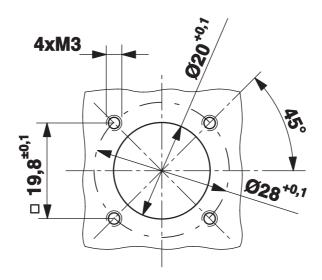
Dimensional drawing





Technical drawings can be found under Downloads

Schematic diagram

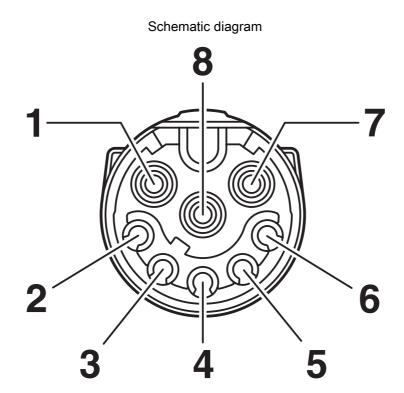


Installation dimensions

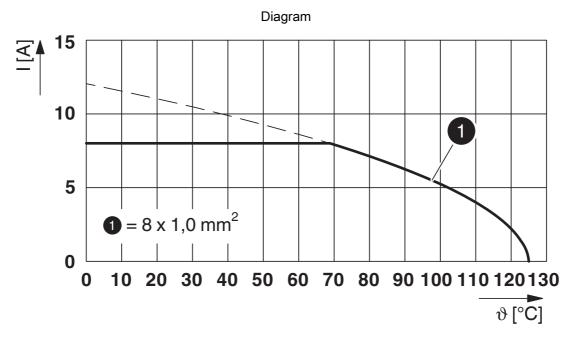


1619197

https://www.phoenixcontact.com/us/products/1619197



Connector pin assignment



I = current strength, ϑ = ambient temperature, 8x 8 A



1619197

https://www.phoenixcontact.com/us/products/1619197

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619197

cUL Recognized Approval ID: E335019-20111129				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
	48 V	5 A	-	-

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

7.	UL Recognized Approval ID: E153698-20	0140124			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		48 V	5 A	-	-

<i>.</i> 712	cUL Recognized Approval ID: E153698-2	0140124			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		48 V	5 A	-	-



1619197

https://www.phoenixcontact.com/us/products/1619197

Classifications

UNSPSC 21.0

ECLASS

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

39121400



1619197

https://www.phoenixcontact.com/us/products/1619197

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%				



1619197

https://www.phoenixcontact.com/us/products/1619197

Accessories

ST-10KS010 - Crimp contact

1618239

https://www.phoenixcontact.com/us/products/1618239



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: $0.06 \text{ mm}^2 \dots 0.25 \text{ mm}^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243216

ST-10KS035 - Crimp contact

1618464

https://www.phoenixcontact.com/us/products/1618464



Crimp contact, Socket, turned, contact diameter: 1 mm, crimp range: $0.25~\text{mm}^2$... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243216



1619197

https://www.phoenixcontact.com/us/products/1619197

ST-Z0019 - Color coding

1620621

https://www.phoenixcontact.com/us/products/1620621

Color coding, color: green



ST-Z0020 - Color coding

1620622

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

Color coding, color: orange





1619197

https://www.phoenixcontact.com/us/products/1619197

ST-Z0021 - Color coding

1620623

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

Color coding, color: black



ST-Z0014 - Metal protective cap

1616069

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



1619197

https://www.phoenixcontact.com/us/products/1619197

ST-Z0013 - Metal protective cap

1616068

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



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



1619197

https://www.phoenixcontact.com/us/products/1619197

PROT-M17PRO-OT-IP20 - Plastic protective cap

1055708

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



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

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

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