1618624

https://www.phoenixcontact.com/pc/products/1618624

PHŒNIX CONTACT

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Cable connector, straight, SPEEDCON, M17, number of positions: 6+PE, contact connection type: Pin, shielded: yes, degree of protection: IP67, cable diameter range: 9 mm ... 11.2 mm, number of positions: 7, connection method: Crimp connection, series: ST, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1243248

Your advantages

- · Reduced size: ideal for compact devices
- · Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly
- · Flexible use: reliably connect various cable diameters

Commercial data

Item number	1618624
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRSEF
Catalog page	Page 134 (C-2-2019)
GTIN	4046356793698
Weight per piece (including packing)	44.6 g
Weight per piece (excluding packing)	33.3 g
Customs tariff number	85366990
Country of origin	DE

1618624

https://www.phoenixcontact.com/pc/products/1618624



Technical data

General	Order crimp contacts Ø 1 mm separately
afety 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 an 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



1618624

https://www.phoenixcontact.com/pc/products/1618624

	warnings (e.g. DIN EN ISO 13732-1:2008-12).
Mounting	
Connection method	Crimp connection
Product properties	
Product type	Circular connector (cable-side)
Number of positions	7
Connection profile	6+PE
Application	Power
Series	ST
Shielded	yes
Coding	Ν
Thread type	M17
Material specifications	
Seal material	FPM
Housing material	Metal
Conductor connection Connection method	Crimp connection
Connection method	Crimp connection
Electrical properties	
Contact	
Contact diameter	1 mm
Max. current	14 A
Nominal voltage U _N	630 V
Overvoltage category	Ш
Degree of pollution	3
Rated surge voltage	6 kV
Contact	
Contact diameter	1 mm
Connector	
Туре	straight
Direction of rotation	Standard
Connection 1	
Head design	Plug

Cable/line

External cable diameter	9 mm 11.2 mm
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1618624

https://www.phoenixcontact.com/pc/products/1618624

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C 125 °C
Altitude	3000 m



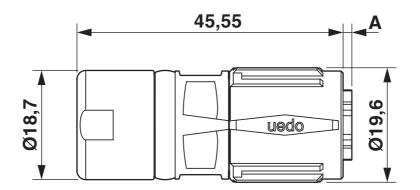
1618624

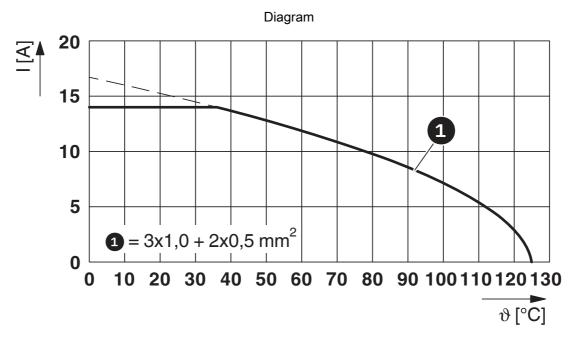
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Drawings

Dimensional drawing





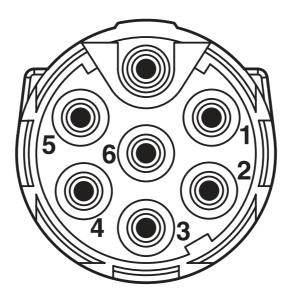
I = current strength, ϑ = ambient temperature, 3x 14 A + 2x 2 A constant



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Schematic diagram



Connector pin assignment



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Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1618624

.81	CUL Recognized Approval ID: E335019-20111129
51	UL Recognized Approval ID: E335019-20111129
EAC	EAC Approval ID: B.01687
FL	UL Recognized Approval ID: E153698-20140124
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1 ,	CUL Recognized Approval ID: E153698-20140124

1618624

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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

	ETIM 8.0	EC002635
UNSPSC		
	UNSPSC 21.0	39121400



1618624

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Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

1618624

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Accessories

ST-10KP010 - Crimp contact

1618255 https://www.phoenixcontact.com/pc/products/1618255



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm² ... 0.25 mm², 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

1618624

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ST-Z0024 - Protective cap

1621904

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Plastic protection cap for connectors with M17 compact knurled nut and M17 compact SPEEDCON knurled nut

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