

1605498

https://www.phoenixcontact.com/gb/products/1605498

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Coupler connector, straight short, for standard and SPEEDCON interlock, M23, number of positions: 5+PE, contact connection type: Pin, shielded: yes, degree of protection: IP67, cable diameter range: 11 mm ... 14 mm, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts, number of positions: 6, connection method: Crimp connection, series: SF, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241896

Your advantages

- 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	1605498
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABRBFG
Product key	ABRBFG
Catalog page	Page 155 (C-2-2019)
GTIN	4046356253154
Weight per piece (including packing)	106 g
Weight per piece (excluding packing)	54.33 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

Order information:	Order crimp contacts 6 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



1605498

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	warnings (e.g. DIN EN ISO 13732-1:2008-12).
oduct properties	
Product type	Circular connector (cable-side)
Series	SF
Application	Power
Number of positions	6
Connection profile	5+PE
Shielded	yes
Coding	N
Thread type	M23
Data management status	
Article revision	08
aterial specifications	
Seal material	FPM
Housing material	Metal
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 6.6
Gasket and O-ring material	FPM
onnection data Conductor connection	
Connection method	Crimp connection
ectrical properties Contact	
Contact diameter	2 mm
Max. current	30 A
Nominal voltage U _N	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV
Contact	
Contact diameter	2 mm
Max. current	30 A
Nominal voltage U _N	630 V
Nominal voltage U _N Overvoltage category	630 V

Connector



1605498

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Туре	straight short
Cable/line	
External cable diameter	11 mm 14 mm
Environmental and real-life conditions	
Ambient conditions	
Ambient conditions Degree of protection	IP67
	IP67 -40 °C 125 °C
Degree of protection	
Degree of protection Ambient temperature (operation)	-40 °C 125 °C

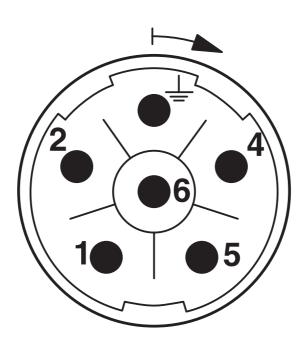


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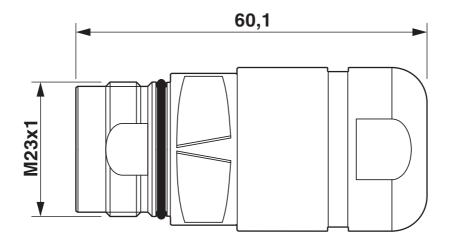
Drawings

Schematic diagram



Connector pin assignment

Dimensional drawing

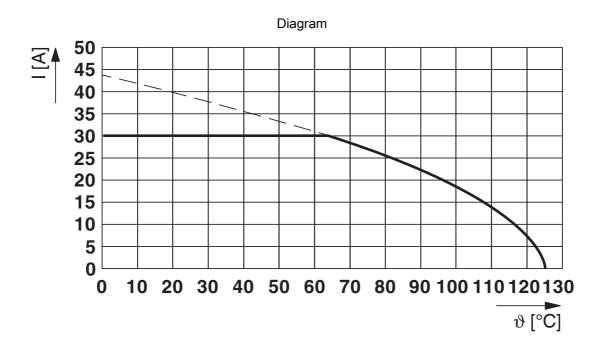


Dimensional drawing



1605498

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1605498

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1605498

CUL Recognized Approval ID: E153698-20041116				
	Nominal volta	ge U _N Nominal current	I _N Cross section AWC	G Cross section mm ²
	600 V	18 A	12 - 12	-

71	UL Recognized Approval ID: E153698-20041116				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		600 V	27 A	12 - 12	-

cULus Recognized



1605498

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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



1605498

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	eaa0f640-98b1-44d1-8cd7-d3c0d7e97360

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