

1624783

https://www.phoenixcontact.com/us/products/1624783

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.



Connector in molded plastic on both sides, M17-Socket, Straight, plastic molded, number of positions: 17, type of locking: Screw locking mechanism, on M17-Pin, Straight, plastic molded, number of positions: 17, cable length: 5 m, shielded: yes, color of outer sheath: green, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1261271

Your advantages

- Our standard: robust halogen-free PUR cable
- · Simple and safe: 100% electrically tested and assembled ready for use
- · Designs with preassembled cables on one or both sides
- · High flexibility: customer-specific assemblies and cable lengths can be supplied

Commercial data

Item number	1624783
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB34
Product key	ABRDBG
Catalog page	Page 216 (C-2-2019)
GTIN	4046356637282
Weight per piece (including packing)	747.654 g
Weight per piece (excluding packing)	747.654 g
Customs tariff number	85444290
Country of origin	DE



1624783

https://www.phoenixcontact.com/us/products/1624783

Technical data

Notes

Safety note	
Safety note	 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 warnings (e.g. DIN EN ISO 13732-1:2008-12).



1624783

https://www.phoenixcontact.com/us/products/1624783

Product type	Signal and power cable
Data management status	
Article revision	09
anastar	
nnector	
Connector specifications	
Туре	Straight, plastic molded
Housing material	Zinc die-cast
Thread type	M17
Type of locking	Screw locking mechanism
Degree of protection	IP67, when in locked state
No. of pos.	17
Direction of rotation	Standard
Contact switching type	Socket
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Max. current	3.6 A
Voltage	48 V AC
	74 V DC
Overvoltage category	Ш
Degree of pollution	3
Rated surge voltage	1.5 kV
Ambient temperature (operation)	-40 °C 105 °C
Cable specifications	
Cable type	SSLC11Y
Shielded	yes
Cable structure	3 x 2 x 0.14 mm ² + 2 x 0.5 mm ² + 4 x 0.14 mm ² + 4 x 0.22 mm ²
Cable structure (AWG)	26 AWG/3pr + 20 AWG/2c + 26 AWG/4c + 24 AWG/4c
External cable diameter	9.40 mm
Outer sheath, material	TPU
Material wire insulation	TPU
External sheath, color	green
Nominal voltage, cable	30 V
Test voltage	0.5 kV
Rated current	9 A
Smallest bending radius, fixed installation	38 mm
Smallest bending radius, movable installation	94 mm
Ambient temperature (operation) for fixed installation	-30 °C 80 °C
,	

Connector specifications (second page)



1624783

https://www.phoenixcontact.com/us/products/1624783

Туре	Straight, plastic molded
Housing material	Zinc die-cast
Thread type	M17
Degree of protection	IP67, when in locked state
No. of pos.	17
Direction of rotation	Standard
Contact switching type	Pin
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Max. current	3.6 A
Voltage	48 V AC
	74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV
Ambient temperature (operation)	-40 °C 105 °C
trical properties	
Nominal current I _N	3.6 A

Cable length	5 m
	0.111

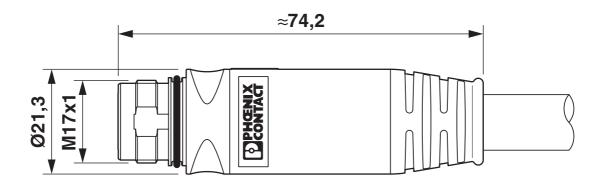


1624783

https://www.phoenixcontact.com/us/products/1624783

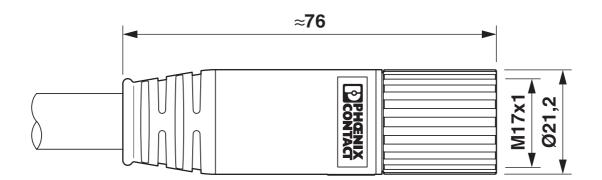
Drawings

Dimensional drawing



Pin side



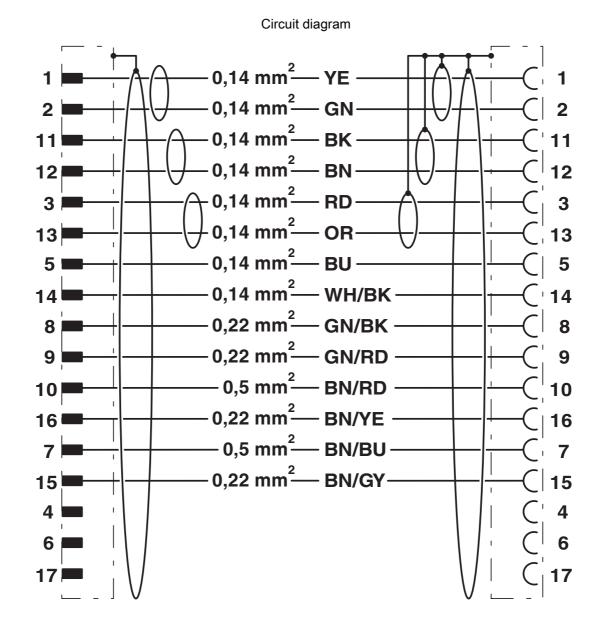


On the female side



1624783

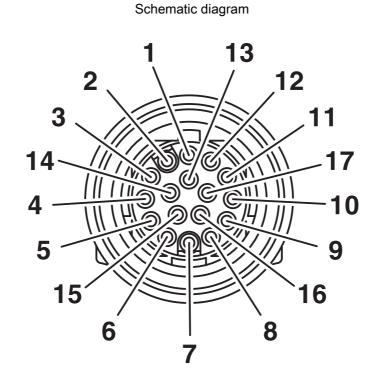
https://www.phoenixcontact.com/us/products/1624783





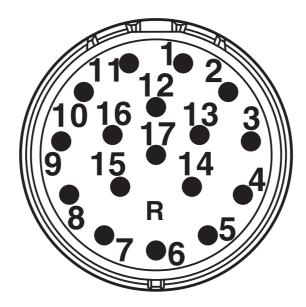
1624783

https://www.phoenixcontact.com/us/products/1624783



Socket pin assignment

Schematic diagram



Pin assignment of pin



1624783

https://www.phoenixcontact.com/us/products/1624783

Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1624783

EAC Approval ID: 19060508



1624783

https://www.phoenixcontact.com/us/products/1624783

Classifications

ECLASS

	ECLASS-11.0	27060106
	ECLASS-12.0	27060106
	ECLASS-13.0	27060106
ET	IM	
	ETIM 9.0	EC003250
UN	ISPSC	
	UNSPSC 21.0	26121600



1624783

https://www.phoenixcontact.com/us/products/1624783

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(b), 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 "Manufacture 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	e2a0bb4a-94b2-4a99-bd27-004a7cab6479

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