K-7E-M17 M9/5,0-D01/M17 F8 - Connector in molded plastic on both sides

1619324

https://www.phoenixcontact.com/us/products/1619324

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, series: KST, M17-Socket, straight, number of positions: 7+PE, type of locking: Screw locking mechanism, on M17-Pin, straight, number of positions: 7+PE, cable length: 5 m, shielded: yes, color of outer sheath: orange RAL 2003, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	1619324
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB34
Product key	ABRDBG
GTIN	4046356830652
Weight per piece (including packing)	1,191.984 g
Weight per piece (excluding packing)	1,163.684 g
Customs tariff number	85444290
Country of origin	DE

Technical data

Notes

Notes on operation	Observe derating curve.

Product properties

Product type	Signal and power cable

Connector

Connector specifications

Type	Straight, plastic molded
Housing material	Die-cast zinc
Thread type	M17
Type of locking	Screw locking mechanism
Degree of protection	IP67, when in locked state
No. of pos.	7+PE
Direction of rotation	Standard
Contact switching type	Socket
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Voltage	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV
Ambient temperature (operation)	-40 °C ... 105 °C

Connector specifications (second page)

Thread type	M17
No. of pos.	7+PE
Direction of rotation	Standard
Contact switching type	Pin
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Voltage	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV
Ambient temperature (operation)	-40 °C ... 105 °C

Cable/line

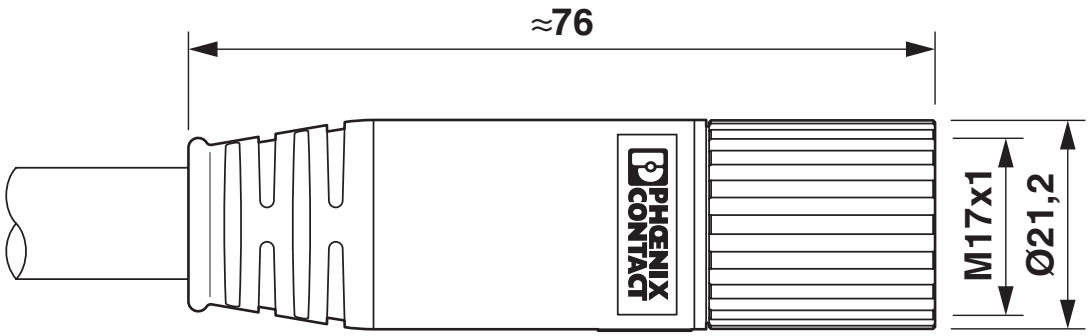
Cable length	5 m

Cable specifications

Cable type	PSLC11Y-J
Shielded	yes
Cable structure	4 x 1 mm² + 2 x 2 x 0.75 mm² StC
Cable structure (AWG)	18 AWG/4c + 19 AWG/2pr
External cable diameter	11.00 mm
Outer sheath, material	PUR
Material wire insulation	TPM
External sheath, color	orange RAL 2003
Nominal voltage, cable	1000 V
Test voltage	4 kV (2 kV signal)
Rated current	15 A
Smallest bending radius, movable installation	110 mm
Ambient temperature (operation) for fixed installation	-40 °C ... 80 °C
Ambient temperature (operation) for flexible installation	-20 °C ... 60 °C

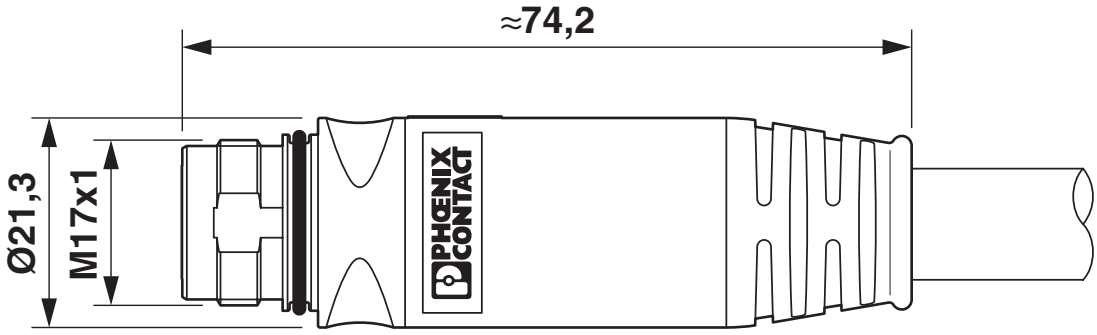
Drawings

Dimensional drawing



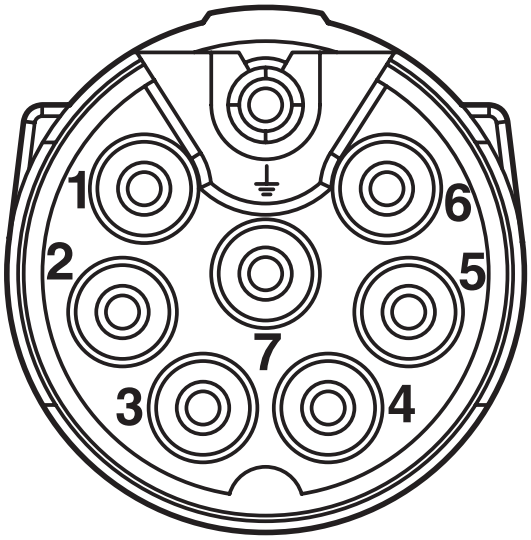
On the female side

Dimensional drawing



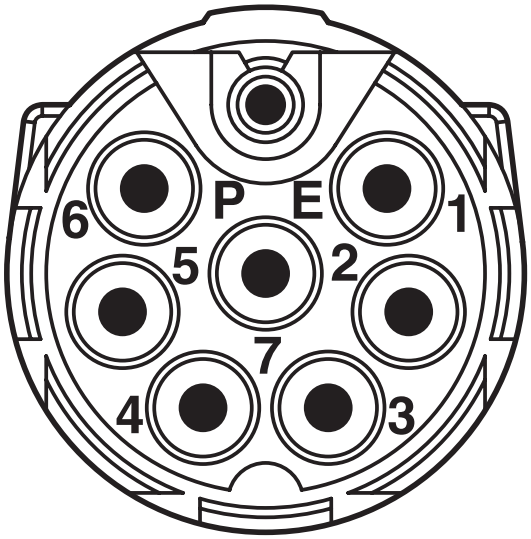
Pin side

Schematic diagram



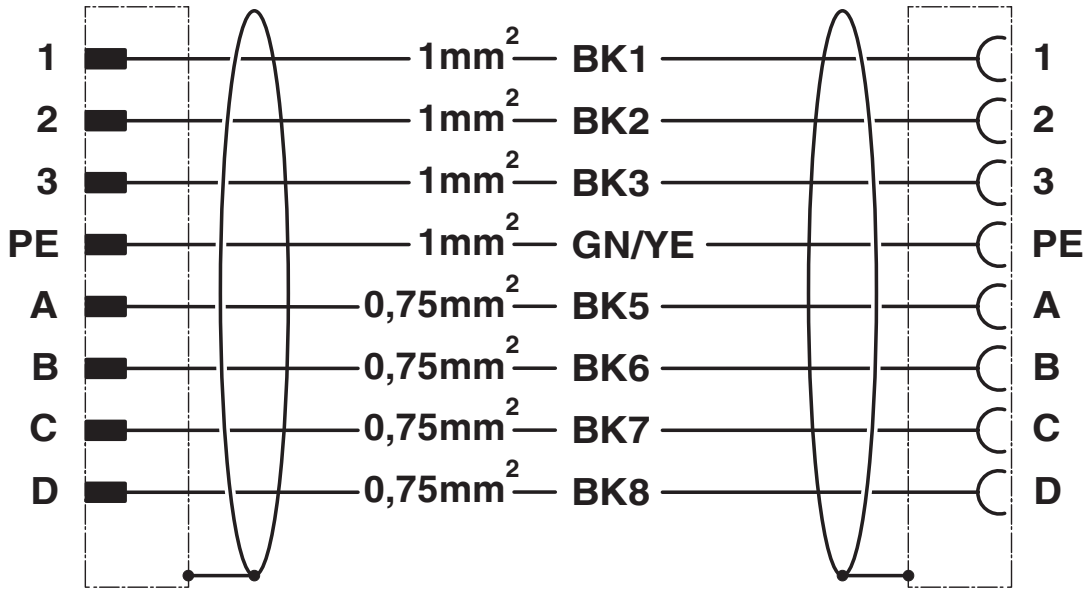
Socket pin assignment

Schematic diagram



Pin assignment of pin

Circuit diagram



Contact assignment of M17 plugs/sockets, cable type D01

Classifications

ECLASS

ECLASS-13.0	27060106
ECLASS-15.0	27060327

ETIM

ETIM 10.0	EC003250

UNSPSC

UNSPSC 21.0	26121600

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 "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	70f3cf6a-0fa8-474d-a102-9015ad8b736c

Phoenix Contact 2026 © - 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