

1620314

https://www.phoenixcontact.com/us/products/1620314

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Cable plug in molded plastic, series: KSM, M40-Socket, Straight, plastic molded, number of positions: 2+3+PE, type of locking: Screw locking mechanism, cable length: 10 m, shielded: yes, color of outer sheath: orange RAL 2003

#### 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	1620314
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB34
Product key	ABRDIA
Catalog page	Page 224 (C-2-2019)
GTIN	4046356832496
Weight per piece (including packing)	2.22 kg
Weight per piece (excluding packing)	3,987.383 kg
Customs tariff number	85444290
Country of origin	DE



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### Technical data

#### Notes

Safety note  WARNING: disconnected may damage  • WARNING: The products Decommissic damaged pro  • WARNING: operate the p notes. The q electrical eng prevent dang that only pers allowed to in: • The product and electrica • When operations.	The connectors may not be plugged in or d under load. Ignoring the warning or improper use e persons and/or property.  Commission properly functioning products only. Is must be regularly inspected for damage. In on defective products immediately. Replace oducts. Repairs are not possible.  Conly electrically qualified personnel may install and product. They must observe the following safety
disconnected may damage  • WARNING: The products Decommission damaged profuse the profuse. The quality electrical engineers allowed to in:  • The product dand electrical end and electrical end and electrical ending that only personal electrical ending that only personal electrical ending that only personal electrical ending electrical ending electrical electric	d under load. Ignoring the warning or improper use e persons and/or property.  Commission properly functioning products only. In the smust be regularly inspected for damage. In the defective products immediately. Replace poducts. Repairs are not possible.  Conly electrically qualified personnel may install and product. They must observe the following safety
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operate the protes. The quelectrical engagement dangement that only personal allowed to in:  The product and electrical electrical engagement of the product and electrical elec	product. They must observe the following safety
and electrical  • When operation	ualified personnel must be familiar with the basics of gineering. They must be able to recognize and ger. The relevant symbol on the packaging indicates sonnel familiar with electrical engineering are stall and operate the product.
·	ets are suitable for applications in plant, controller, il device engineering.
	ating the connectors in outdoor applications, they arately protected against environmental influences.
Assembled opened.	products may not be manipulated or improperly
data of the si	nating connectors that are specified in the technical tandards listed (e.g. the ones listed in the product online at phoenixcontact.com/products).
	g the product in direct connection with third-party rs, the user is responsible.
·	ng voltages > 50 V AC, conductive connector st be grounded
• Ensure that properly cont	t the protective or functional ground has been nected.
	1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 le when combining several circuits in a cable and/or
• Only use to	ols recommended by Phoenix Contact
	ation notes/Design In documents online on the age at phoenixcontact.com/products must be this product.
Operate the interlocked.	e connector only when it is fully plugged in and
	t when laying the cable, the tensile load on the loes not exceed the upper limit specified in the
Observe the cable without	
• The connect ambient condwarm up. In the connect warm up.	e minimum bending radius of the cable. Lay the twisting it.



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uct properties	
Product type	Signal and power cable
ta management status	
Article revision	06
nector	
nnector specifications	
Туре	Straight, plastic molded
Thread type	M40
Type of locking	Screw locking mechanism
Degree of protection	IP67, when in locked state
No. of pos.	2+3+PE
Direction of rotation	Standard
Contact switching type	Socket
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Max. current	70 A
Voltage	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV
Ambient temperature (operation)	-40 °C 105 °C
ble specifications	
Cable type	PSLC11Y-J
Shielded	yes
Cable structure	4 x 4 mm² + 2 x 1.5 mm²
Cable structure (AWG)	12 AWG/4c + 16 AWG/1pr
External cable diameter	14.90 mm
Outer sheath, material	TPU
Material wire insulation	TPM
External sheath, color	orange RAL 2003
Nominal voltage, cable	1000 V
Test voltage	4 kV (2 kV signal)
Rated current	34 A
Smallest bending radius, movable installation	149 mm
Ambient temperature (operation) for fixed installation	-50 °C 80 °C
Ambient temperature (operation) for flexible installation	-20 °C 70 °C
le/line	
C/IIIC	

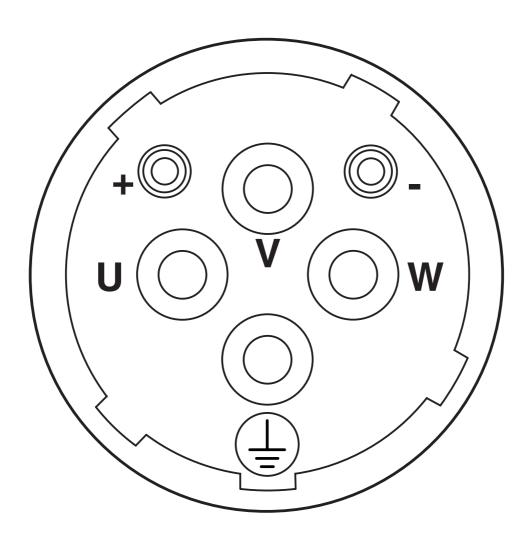


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### Drawings

#### Schematic diagram

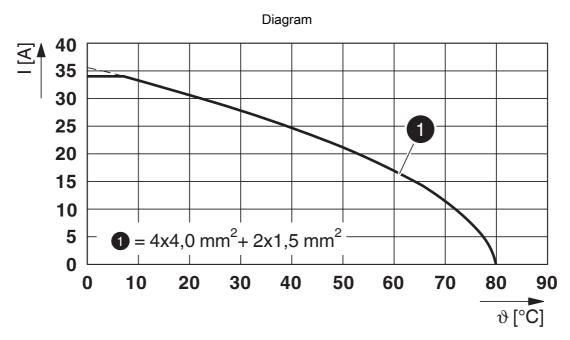


Connector pin assignment



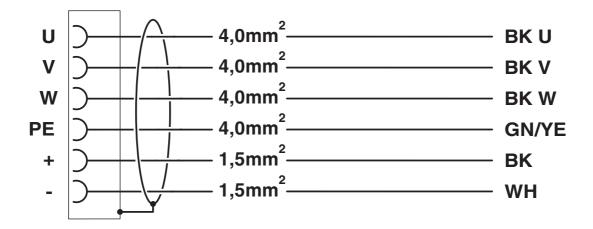
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I = current strength, T = ambient temperature

Circuit diagram

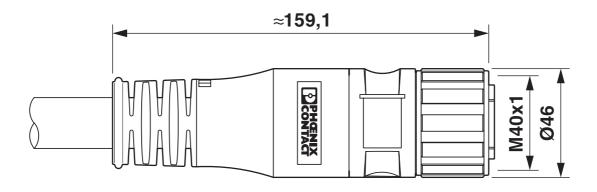




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### Dimensional drawing



Dimensional drawing



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### Classifications

#### **ECLASS**

UNSPSC 21.0

ECLASS-11.0	27060106	
ECLASS-12.0	27060106	
ECLASS-13.0	27060106	
ETIM		
ETIM 9.0	EC003250	
UNSPSC		

26121600



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### Environmental product compliance

#### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(b), 6(b)-II, 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	9a042d28-6d8c-458a-85fd-fa7927910feb

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