PHŒNIX CONTACT

Cable plug in molded plastic - K-7E - OE/010-D03/M40 F8 - 1620324

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Cable plug in molded plastic, length: 10 m, 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 pre-assembled cables on one or both sides

☑ High flexibility: customer-specific assemblies and cable lengths can be supplied

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	2 pc
GTIN	4 046356 833677
GTIN	4046356833677
Custom tariff number	85444290
Country of origin	Germany

Technical data

Conductor length	10 m
Nominal current	26 A

Connector specifications

Type	straight plastic-sheathed
Thread type	M40
Locking type	Screw locking

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Technical data

Connector specifications

Degree of protection	IP67, when in locked state
Number of positions	4+3+PE
Direction of rotation	Standard
Type of contact	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

Cable specifications

Type of cable	PSLC11Y-J
Shielded	yes
Cable structure	4 x 2.5 mm² + 2 x 2 x 1.0 mm² StC
External cable diameter	13.5 mm ±0.4 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)
Smallest bending radius, movable installation	135 mm
Number of bending cycles	10000000
Bending radius	135 mm
Traversing path	6 m
Acceleration	5 m/s²
Ambient temperature for fixed installation	-40 °C ... 80 °C
Ambient temperature for flexible installation	-20 °C ... 60 °C
Special properties	Flexible cable conduit capable
Flame resistance	IEC 332-1
Halogen-free	DIN VDE 0472

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years

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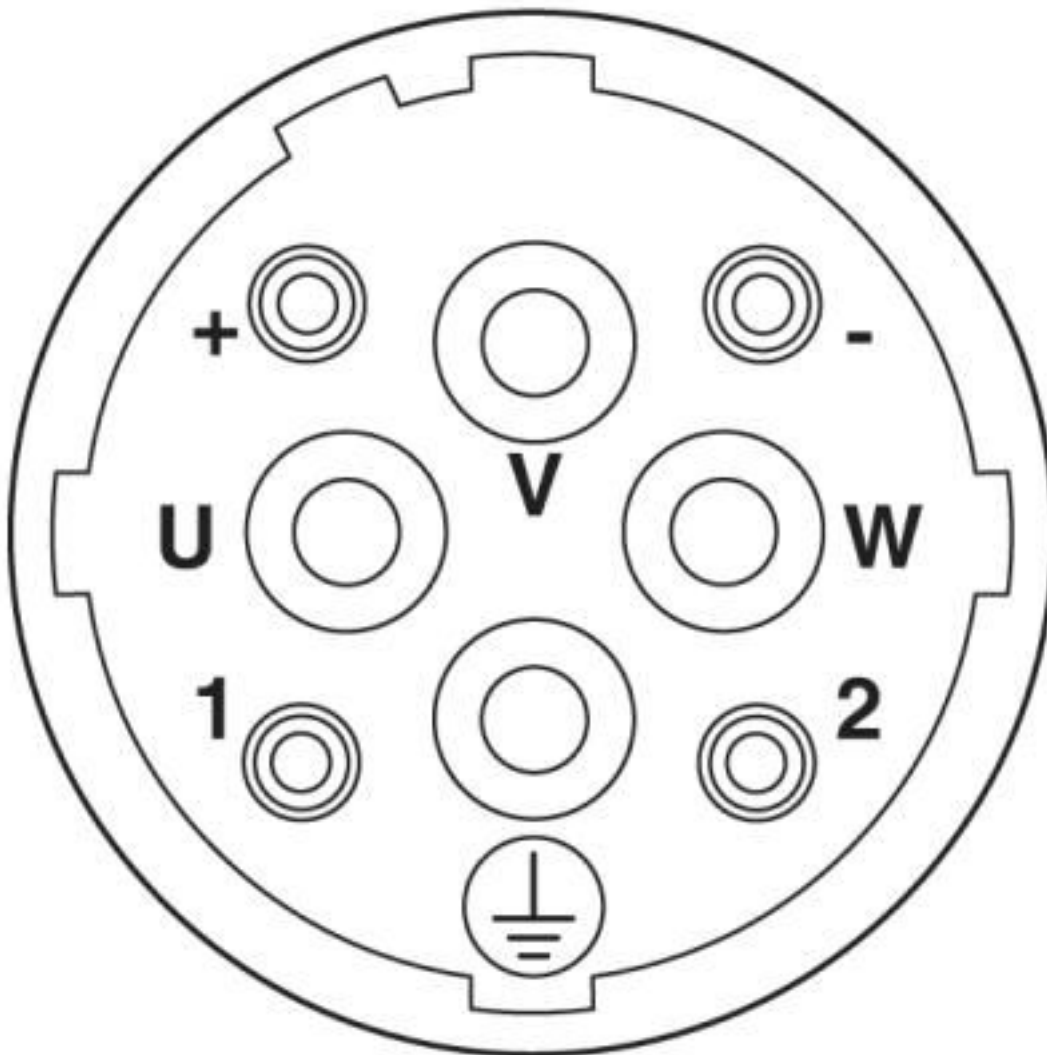
Technical data

Environmental Product Compliance

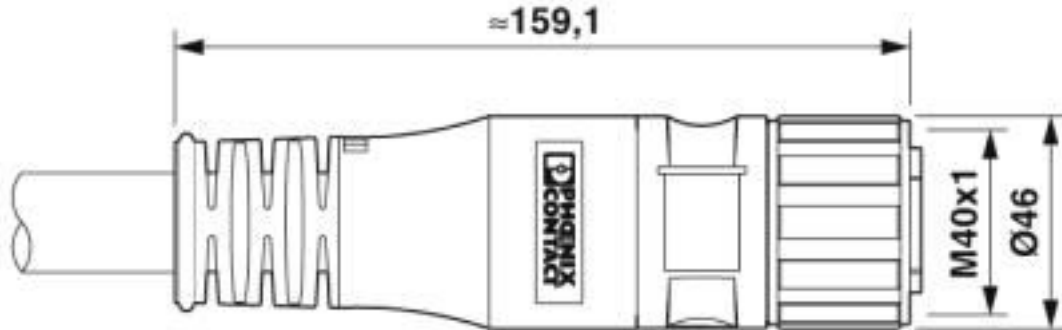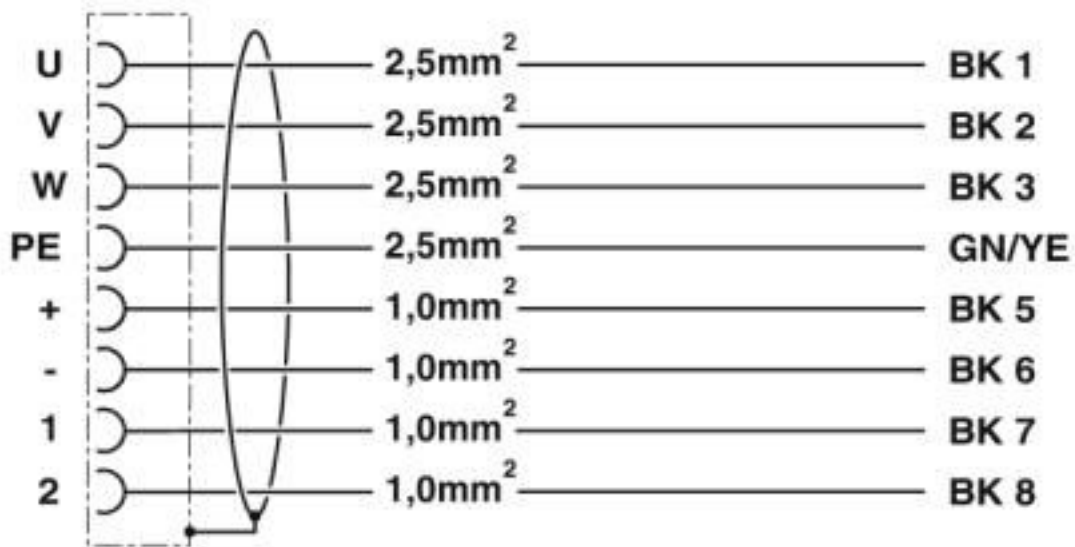|	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram

Connector pin assignment

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Dimensional drawing

Dimensional drawing

Circuit diagram

U	2,5mm^2	BK 1
V	2,5mm^2	BK 2
W	2,5mm^2	BK 3
PE	2,5mm^2	GN/YE
+	1,0mm^2	BK 5
-	1,0mm^2	BK 6
1	1,0mm^2	BK 7
2	1,0mm^2	BK 8

Contact assignment of M40 plugs/sockets

Classifications

eCl@ss

eCl@ss 10.0.1	27060106
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27061800
eCl@ss 5.1	27061800
eCl@ss 6.0	27062000

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Classifications

eCl@ss

eCl@ss 7.0	27062011
eCl@ss 8.0	27062011
eCl@ss 9.0	27062011

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001855
ETIM 5.0	EC001578
ETIM 6.0	EC001578
ETIM 7.0	EC003250

UNSPSC

UNSPSC 6.01	26121604
UNSPSC 7.0901	26121604
UNSPSC 11	26121604
UNSPSC 12.01	26121604
UNSPSC 13.2	26121604
UNSPSC 18.0	39121465
UNSPSC 19.0	39121465
UNSPSC 20.0	39121465
UNSPSC 21.0	39121465

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

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Approvals

UL Listed	(UL) LISTED	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 335019

Nominal voltage UN	600 V
Nominal current IN	14 A

cUL Listed	c(UL) LISTED	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 335019

Nominal voltage UN	600 V
Nominal current IN	14 A

EAC	EHC	B.00286/19

cULus Listed	c(UL)us LISTED

Accessories

Accessories

Conductor marking

Insert label - PABA WH/15 - 1013151

Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 ... 50 mm, lettering field size: 15 x 4 mm, Number of individual labels: 20

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Accessories

Insert label - PABA YE/15 - 1013698

Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 ... 50 mm, lettering field size: 15 x 4 mm, Number of individual labels: 20

Insert label - PABA RD/15 - 1013944

Insert label, Strip, red, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 ... 50 mm, lettering field size: 15 x 4 mm, Number of individual labels: 20

Cutting tools

Diagonal cutter - CUTFOX-S VDE - 1212207

Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested

Marker carrier cable

Conductor marker carrier - PATG 5/23 - 0808024

Conductor marker carrier, transparent, unlabeled, mounting type: slide-on, cable diameter range: 10 ... 14 mm, lettering field size: 23 x 4 mm

Marker pen

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Accessories

Marker pen - B-STIFT - 1051993

Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Stripping tool

Stripping tool - WIREFOX 10 - 1212150

Stripping tool, for cables and conductors from 0.02 - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade