

Assembled cable connectors - SBK-0482/05,00 - 1624249

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Assembled cable connectors, length: 5 m, color of outer sheath: orange RAL 2003

Your advantages

- ✓ Transmission of signals, data, and power in just a single connector
- ✓ CAT5 data interface for up to 100 Mbps
- ✓ Reduced connection time with SPEEDCON fast locking system
- ✓ Mechanical coding reliably prevents incorrect connections
- ✓ Safe use in the field, thanks to high degree of protection
- ✓ Consistent EMC protection for reliable connection solutions in the industrial environment



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 055626 298757
GTIN	4055626298757

Technical data

Conductor length	5 m
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Standards and Regulations

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

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Standards and Regulations

	relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
	<ul style="list-style-type: none"> The products are suitable for applications in plant, controller, and electrical device engineering.
	<ul style="list-style-type: none"> When operating the connectors in outdoor applications, they must be separately protected against environmental influences.
	<ul style="list-style-type: none"> Assembled products may not be manipulated or improperly opened.
	<ul style="list-style-type: none"> 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).
	<ul style="list-style-type: none"> When using the product in direct connection with third-party manufacturers, the user is responsible.
	<ul style="list-style-type: none"> For operating voltages > 50 V AC, conductive connector housings must be grounded
	<ul style="list-style-type: none"> 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
	<ul style="list-style-type: none"> Observe the corresponding technical data. You will find information: <ul style="list-style-type: none"> On the product On the packing label In the supplied documentation Online at phoenixcontact.com/products under the product
	<ul style="list-style-type: none"> Only use tools recommended by Phoenix Contact
	<ul style="list-style-type: none"> The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	<ul style="list-style-type: none"> Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products
	<ul style="list-style-type: none"> Operate the connector only when it is fully plugged in and interlocked.
	<ul style="list-style-type: none"> Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
	<ul style="list-style-type: none"> Observe the minimum bending radius of the cable. Lay the cable without twisting it.
	<ul style="list-style-type: none"> 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).

Connector specifications

Type	gerade, konfektioniert
Thread type	M40
Locking type	SPEEDCON locking
Degree of protection	IP67, when in locked state
Number of positions	4+4+PE
Direction of rotation	Standard
Type of contact	Pin
Max. current	70 A
Voltage	630 V AC
Overvoltage category	III

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Connector specifications

Degree of pollution	3
Rated surge voltage	6 kV

Cable specifications

Shielded	yes
Cable structure	(4 x 16 + (2 x 1.5))
External cable diameter	23.1 mm ±0.7 mm
Outer sheath, material	TMPU
Material wire insulation	PP
External sheath, color	orange RAL 2003
Single wire, color	Black 1, black 2, black 3, green-yellow Power wires + PE black, white Signal wires
Nominal voltage, cable	1000 V
Smallest bending radius, fixed installation	92 mm
Smallest bending radius, movable installation	173 mm
Number of bending cycles	10000000
Traversing path	5 m
Acceleration	30 m/s ²
Ambient temperature for fixed installation	-40 °C ... 80 °C
Ambient temperature for flexible installation	-30 °C ... 60 °C
Special properties	Flexible cable conduit capable
Flame resistance	IEC 60332-1-2, IEC 60332-1-3, FT1, VW-1
Halogen-free	0472-815
Resistance to oil	DIN EN 50363-10-2

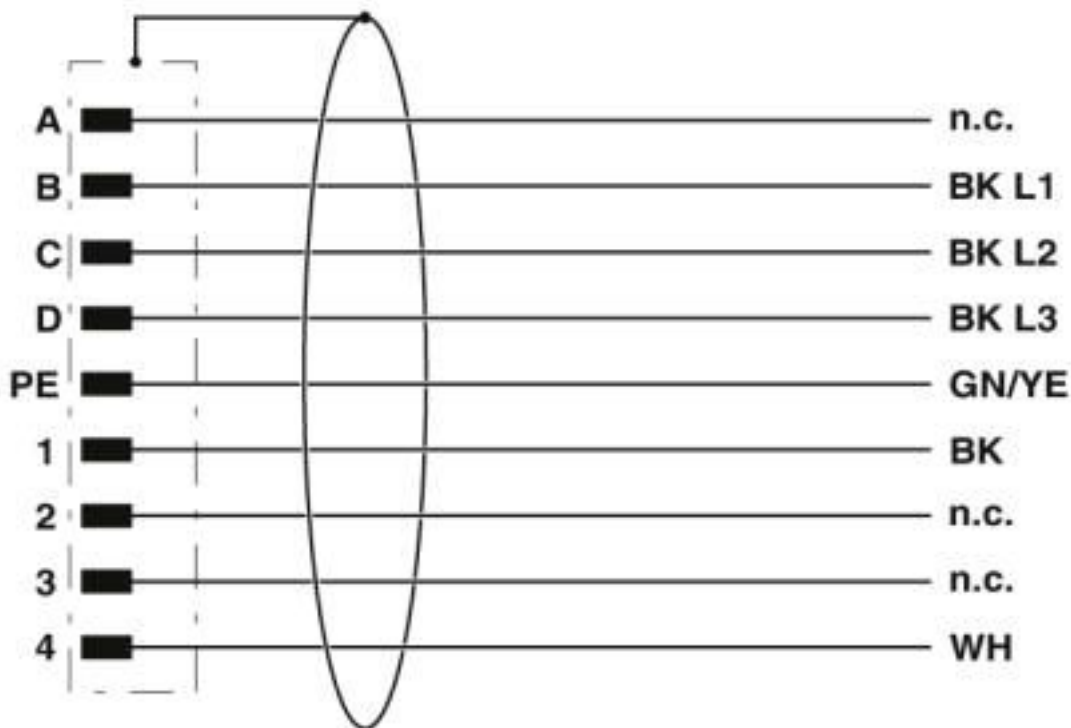
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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Circuit diagram



Contact assignment

Classifications

eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 5.1	27141111
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

ETIM

ETIM 5.0	EC002780
ETIM 6.0	EC002780
ETIM 7.0	EC002780

UNSPSC

UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

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