

K-8E-OE/0,3-H00/M23FK-C5-S - Cable plug in molded plastic



1623472

<https://www.phoenixcontact.com/us/products/1623472>

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Cable plug in molded plastic, series: KSH, M23-Socket, angled rotatable, -120° left/120° right, number of positions: 4+4+4+PE, CAT5, 100 Mbps, cable length: 0.3 m, shielded: yes, color of outer sheath: orange RAL 2003

Commercial data

Item number	1623472
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRDGC
GTIN	4055626166209
Weight per piece (including packing)	296.6 g
Weight per piece (excluding packing)	284.45 g
Country of origin	DE

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Technical data

Notes

Notes on operation	Observe derating curve.
Safety note	
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 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

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

Product properties

Product type	Signal and power cable
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Connector

Connector specifications

Type	angled rotatable, -120° left/120° right
Housing material	PUR
Thread type	M23
Degree of protection	IP67, when in locked state
No. of pos.	4+4+4+PE
Direction of rotation	Standard
Contact switching type	Socket
Insertion/withdrawal cycles	100
Voltage	630 V AC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV

Electrical properties

Nominal current I_N	26 A
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Cable/line

Cable length	0.3 m
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Cable specifications

Cable type	HDSLC11Y-J
Transmission speed	CAT5
Transmission speed	100 Mbps (Data interface)
Shielded	yes
Cable structure	(5x 2.5 + 2x (2x 0.5) + (4x 0.34)C) C
External cable diameter	15.50 mm ±0.5 mm
Outer sheath, material	PUR
Material wire insulation	PP
External sheath, color	orange RAL 2003
Single wire, color	black 1, black 2, black 3, black 4, green/yellow Power wires + PE brown, violet, black 5, green Signal wires blue, yellow, white, orange Data wires
Nominal voltage, cable	1000 V (300 V signal)
Test voltage	4 kV (1.5 kV signal)
Rated current	26 A (Power, in accordance with DIN VDE 0298-4 Tab. 11/5) 8 A (Signal, according to DIN VDE 0298-4 tab. 11/5) 3.6 A (Data, according to DIN VDE 0298-4 tab. 11/5)

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Smallest bending radius, fixed installation	78 mm
Smallest bending radius, movable installation	116 mm
Max. bending cycles	5000000
Traversing path	5 m
Acceleration	30 m/s ²
Ambient temperature (operation) for fixed installation	-40 °C ... 80 °C (fixed installation)
Ambient temperature (operation) for flexible installation	-20 °C ... 80 °C (flexible installation)
UL AWM style	20234 / 10492 (80°C/1000 V)
Special properties	Flexible cable conduit capable
Flame resistance	IEC 60332-1-2
Halogen-free	in accordance with EN 50267-2-1
Resistance to oil	EN 60811-2-1

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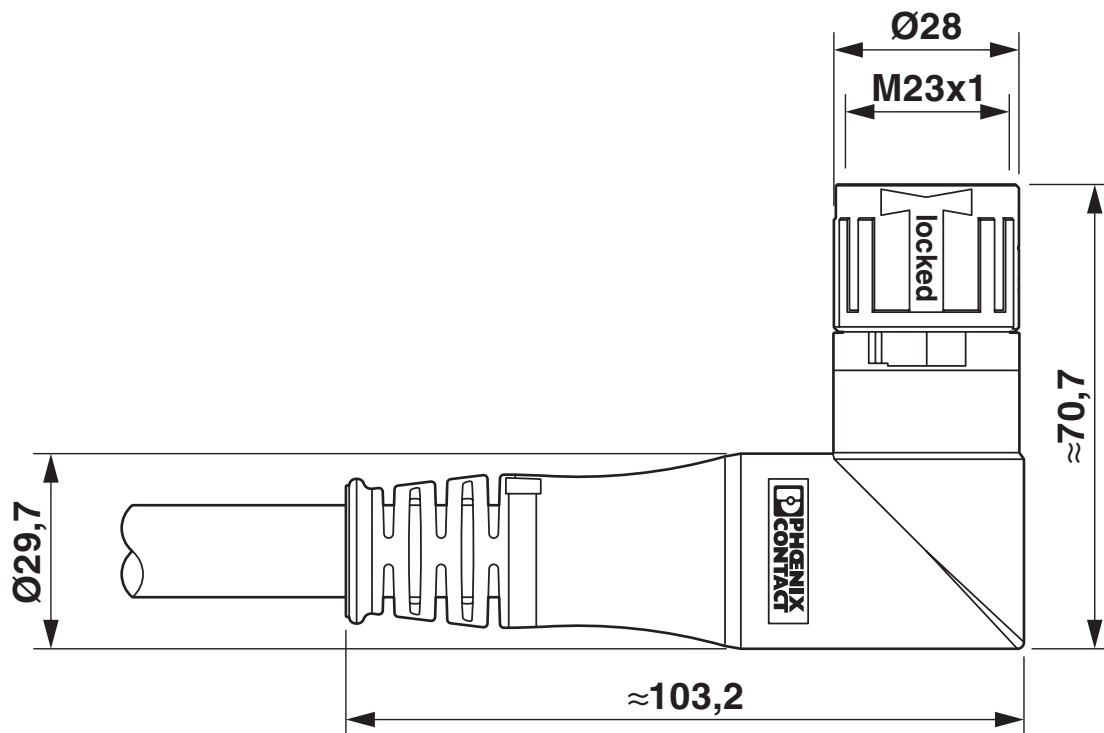


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Drawings

Dimensional drawing



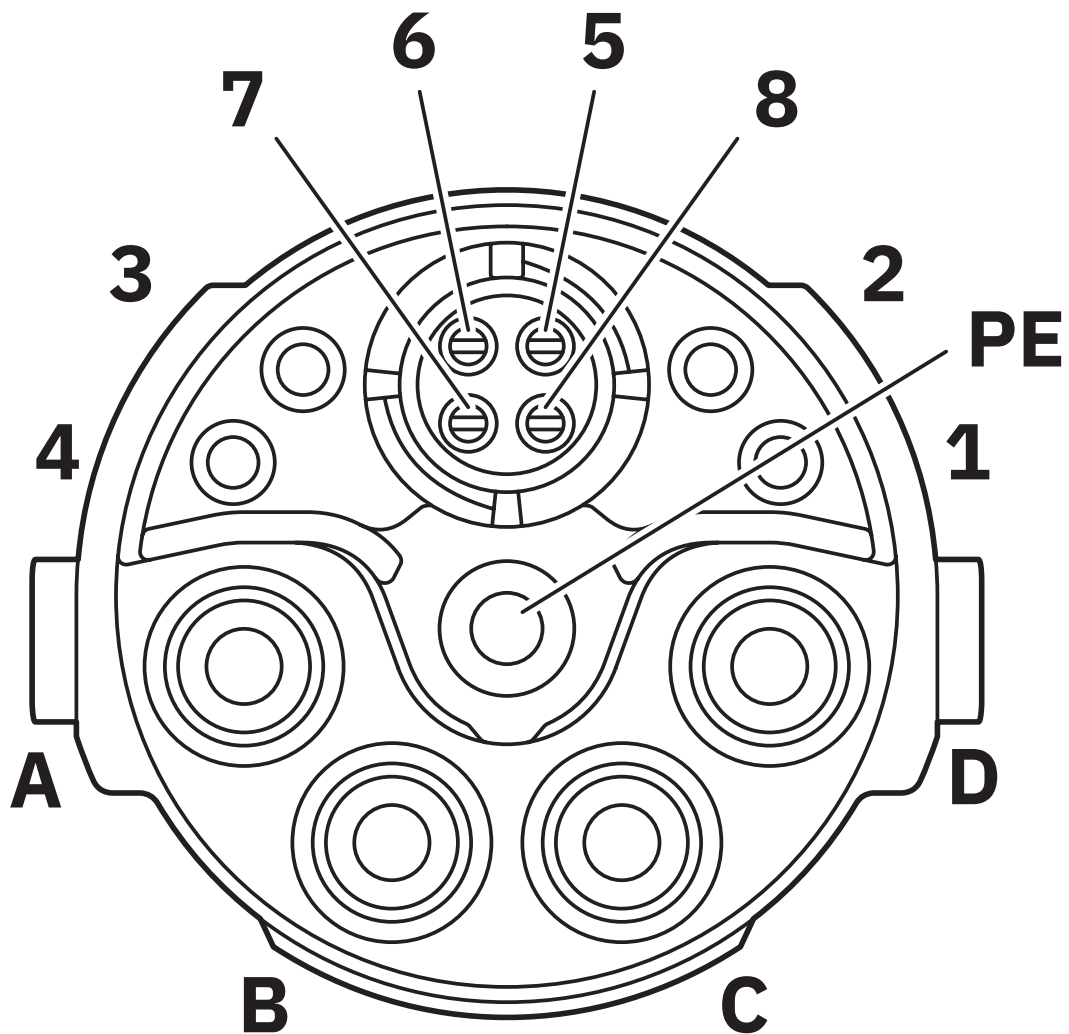
Dimensional drawing

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Schematic diagram



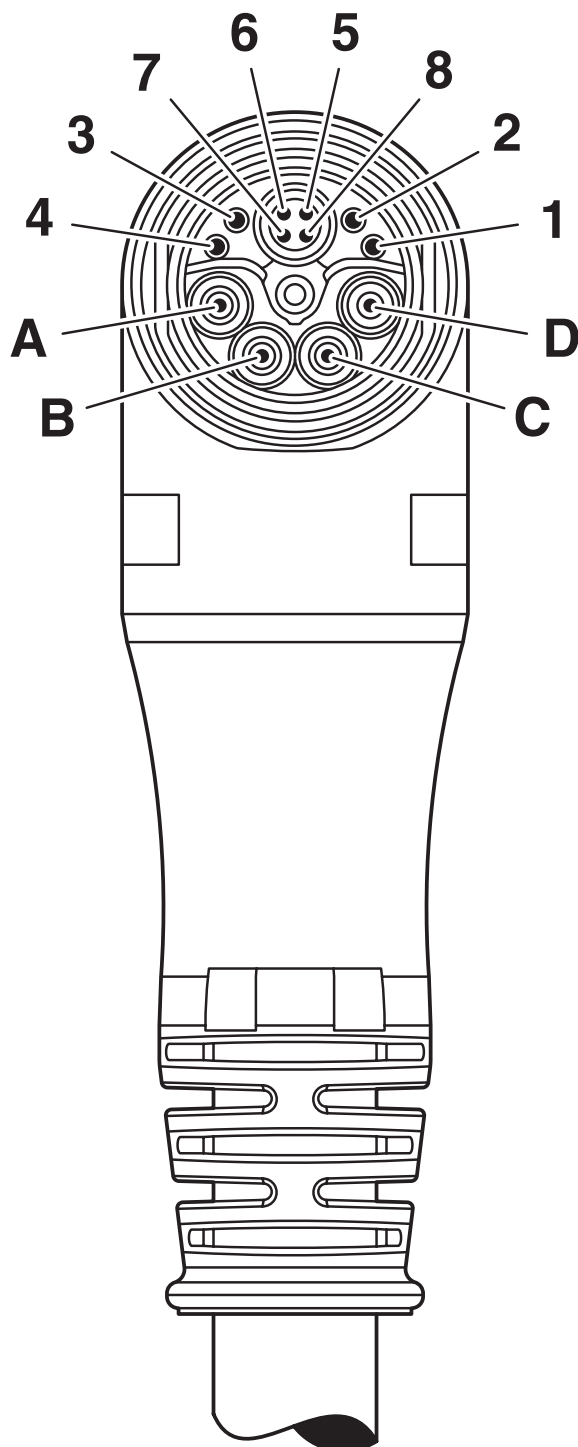
Connector pin assignment

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Schematic diagram



Cable outlet direction

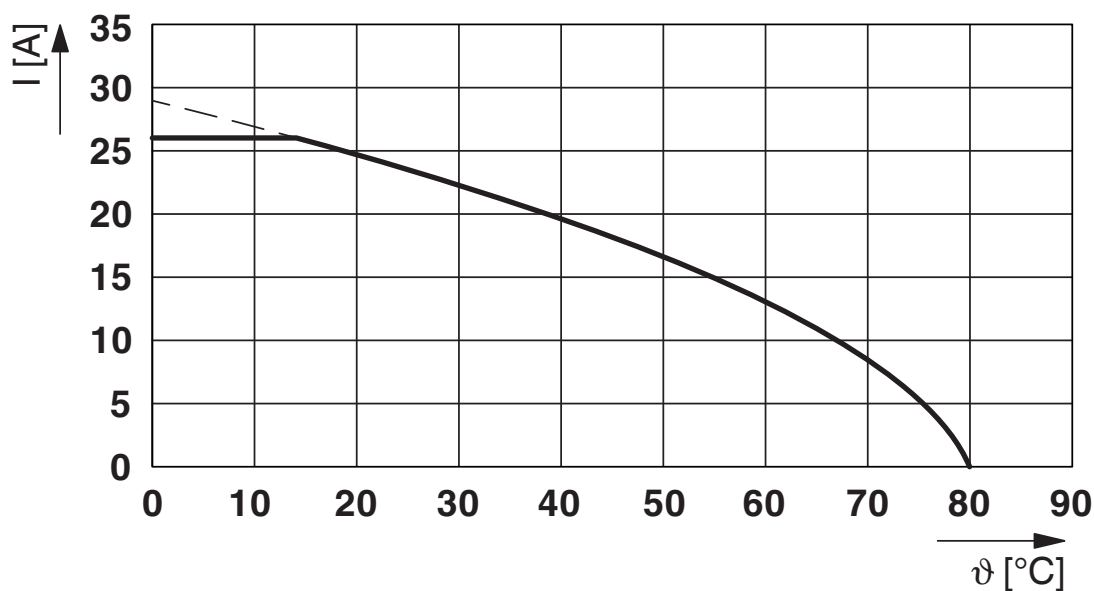
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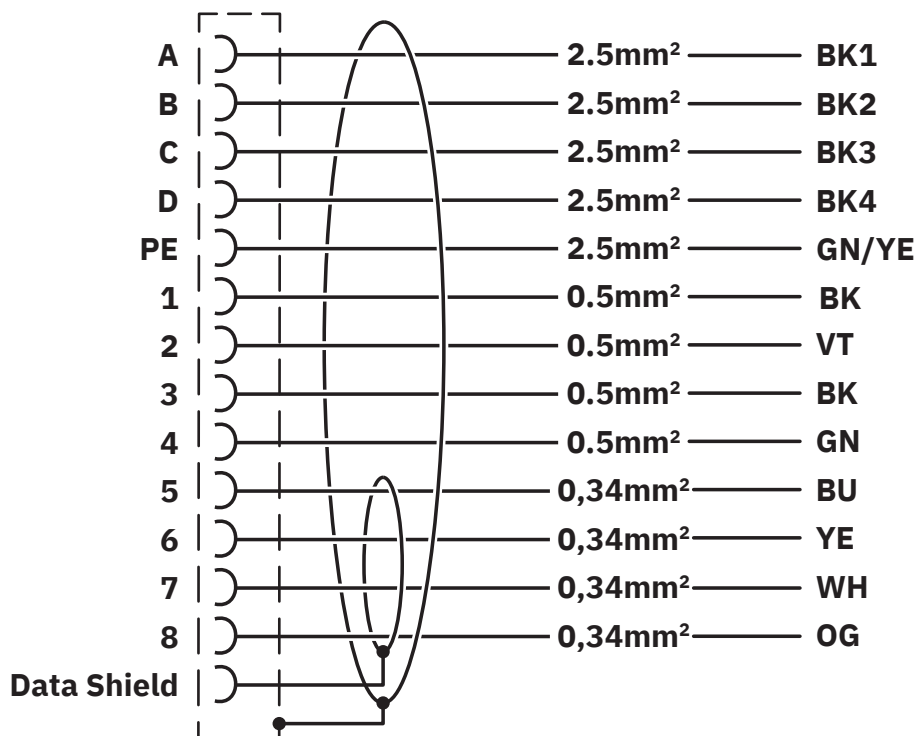
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Diagram



Circuit diagram



Contact assignment of M23 plugs/sockets

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1623472>



EAC

Approval ID: B.00286/19



UL Listed

Approval ID: E468743-20150929

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	16 A	-	-
Signal	50 V	4 A	-	-
Data	30 V	1 A	-	-



cUL Listed

Approval ID: E468743-20150929

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	16 A	-	-
Signal	50 V	4 A	-	-
Data	30 V	1 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27060106
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ETIM

ETIM 9.0	EC003250
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UNSPSC

UNSPSC 21.0	26121600
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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	c3ac5161-8887-4c35-bfc6-3f678b25114a

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