

K-8E-M23MK/13,0-H00/M23FK-C5-S - Connector in molded plastic on both sides



1627588

<https://www.phoenixcontact.com/us/products/1627588>

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Connector in molded plastic on both sides, series: KSH, M23-Socket, angled rotatable, -120° left/120° right, number of positions: 4+4+4+PE, type of locking: SPEEDCON, on M23-Pin, angled rotatable, -120° left/120° right, number of positions: 4+4+4+PE, type of locking: SPEEDCON, cable length: 13 m, shielded: yes, 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
- Customer-specific assemblies and cable lengths can be supplied
- Simple and safe: 100% electrically tested and assembled ready for use
- Designs with preassembled cables on one or both sides
- Easy connection: angled design with configurable cable outlet direction
- Customer-specific assemblies and cable lengths can be supplied

Commercial data

Item number	1627588
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Product key	ABRDGG
GTIN	4055626327013
Weight per piece (including packing)	4,474 g
Weight per piece (excluding packing)	4,474 g
Country of origin	DE

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Technical data

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
Type of locking	SPEEDCON
Degree of protection	IP67, when in locked state IP68, 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

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	TPE
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, at 15°C) 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)
Smallest bending radius, fixed installation	73 mm

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Smallest bending radius, movable installation	148 mm
Max. bending cycles	1000000
Traversing path	6 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

Connector specifications (second page)

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No. of pos.	4+4+4+PE
Direction of rotation	Standard
Contact switching type	Pin
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Degree of pollution	3
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Electrical properties

Max. current	26 A
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Cable/line

Cable length	13 m
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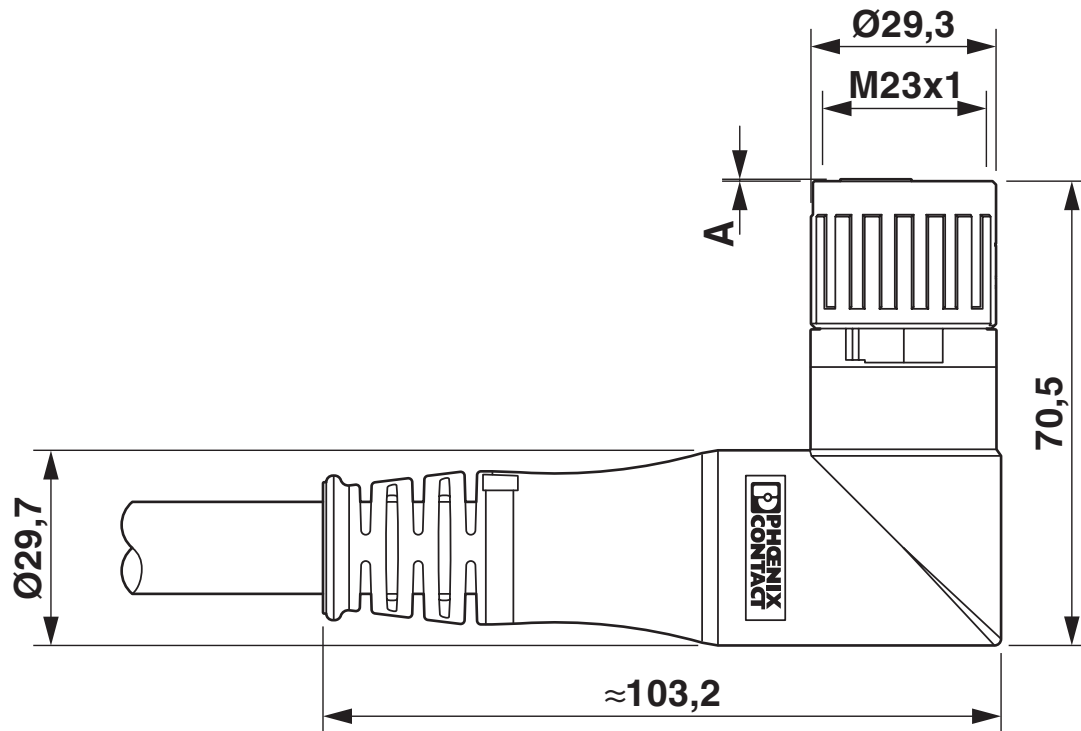


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Drawings

Dimensional drawing



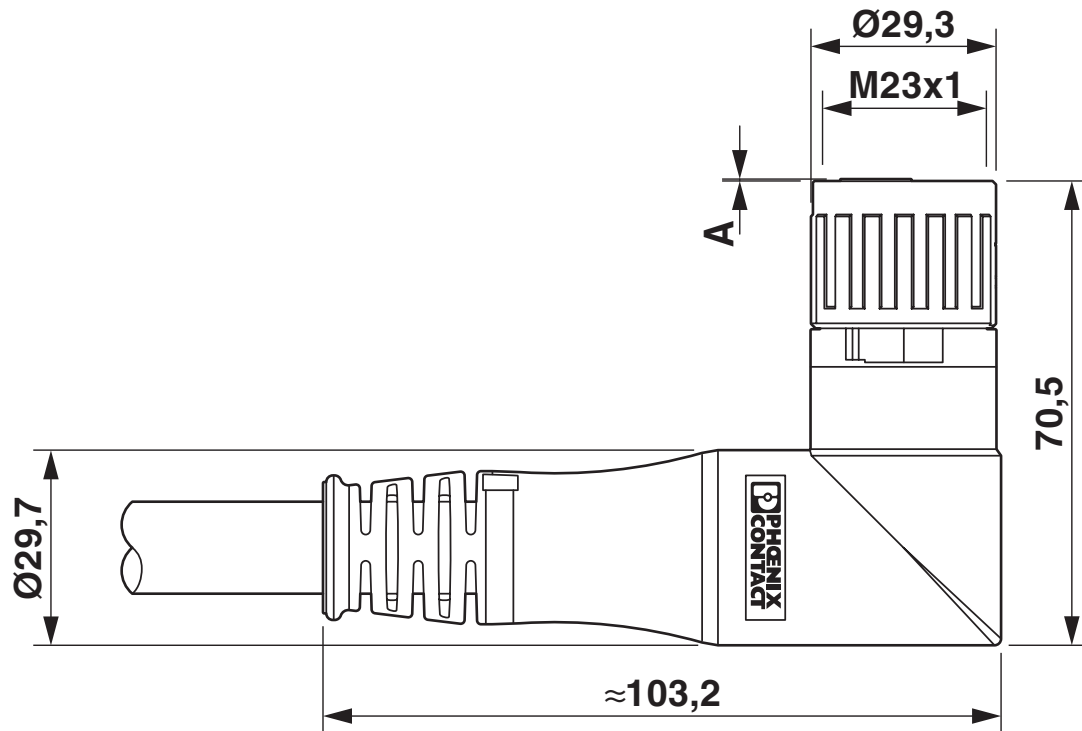
Socket side, dimension A = 0 mm

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Dimensional drawing



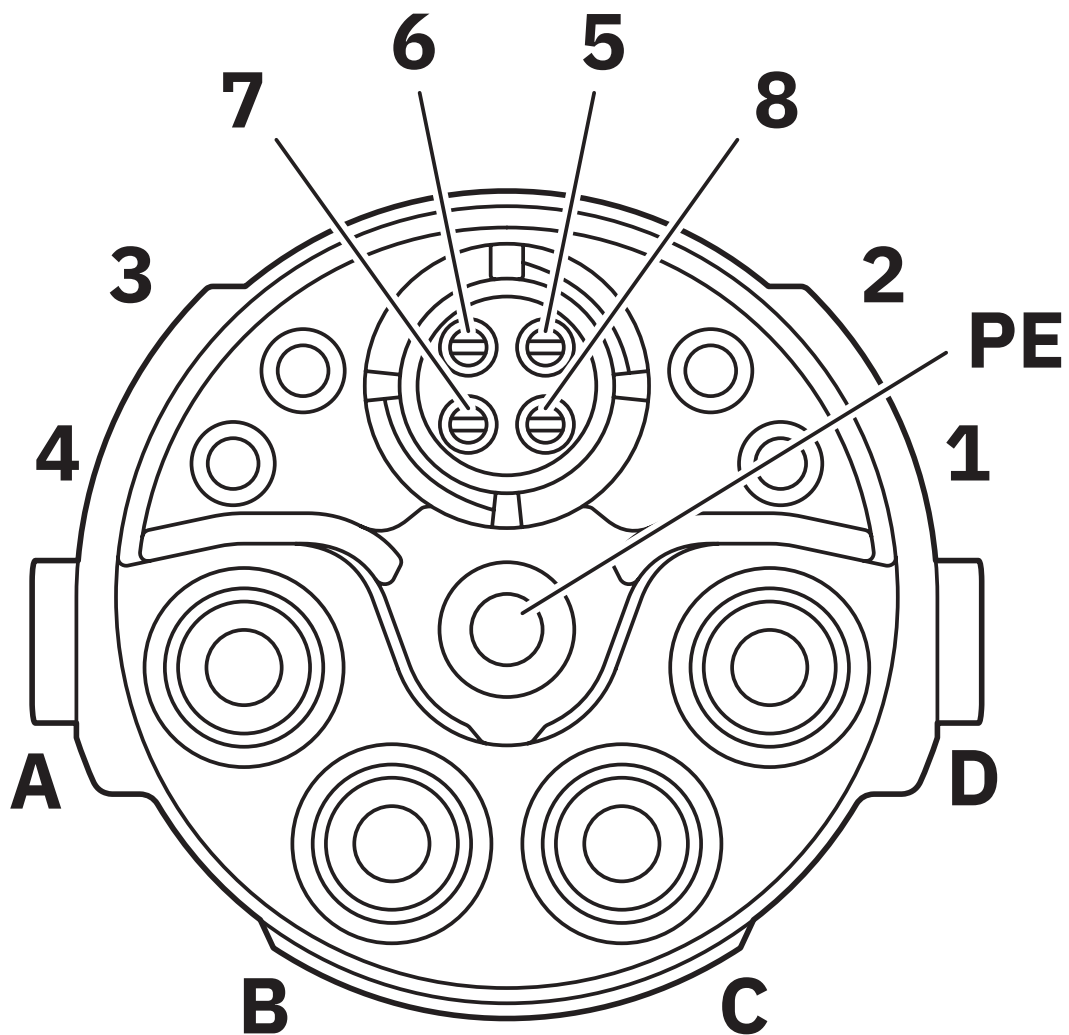
Pin side; dimension A = ~ 0.3 mm

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Schematic diagram



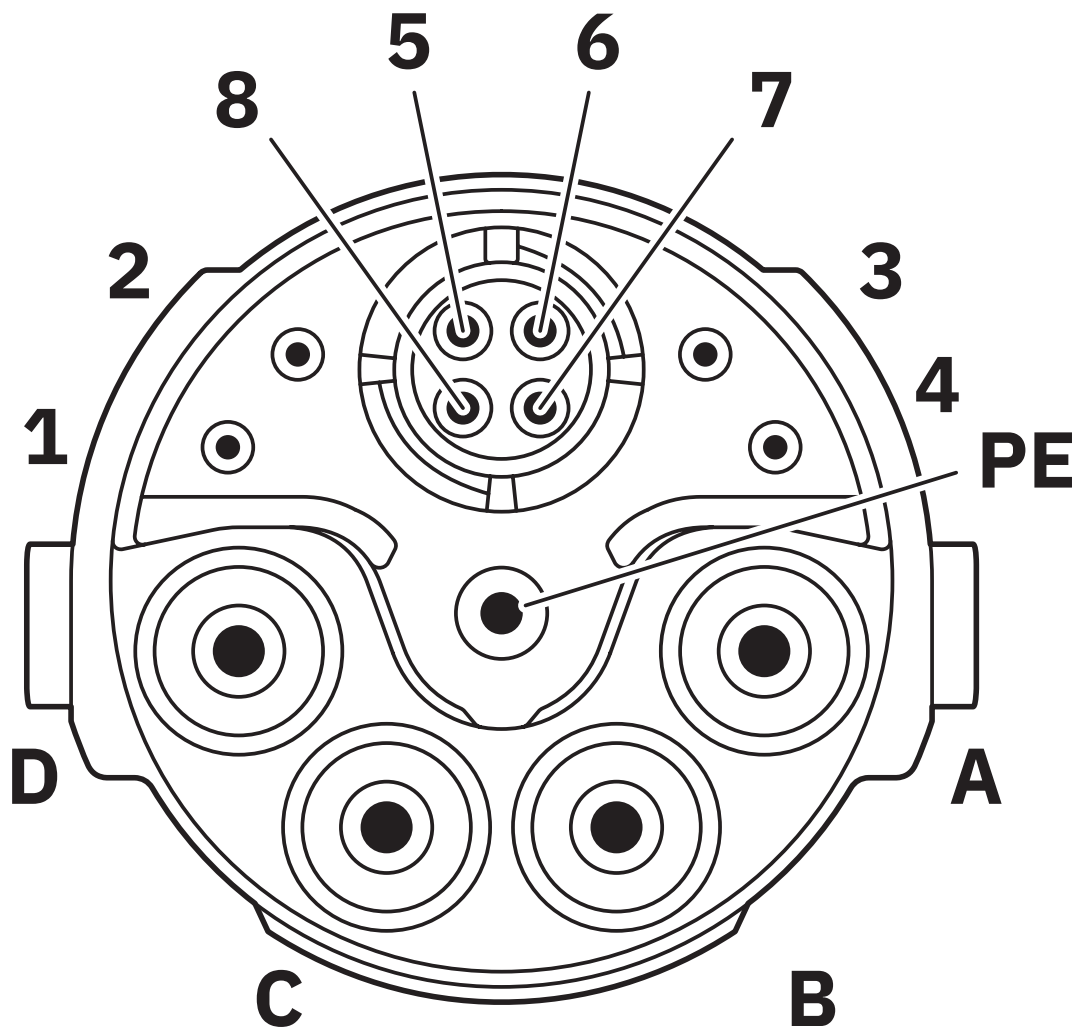
Socket pin assignment

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Schematic diagram



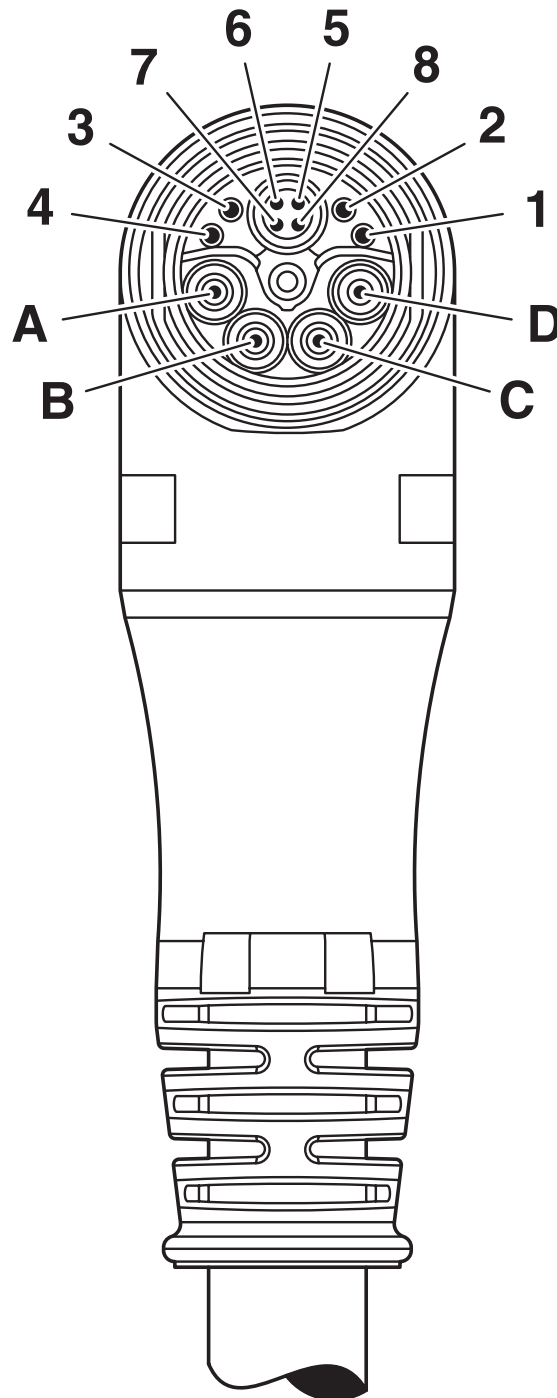
Pin assignment of pin

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Schematic diagram



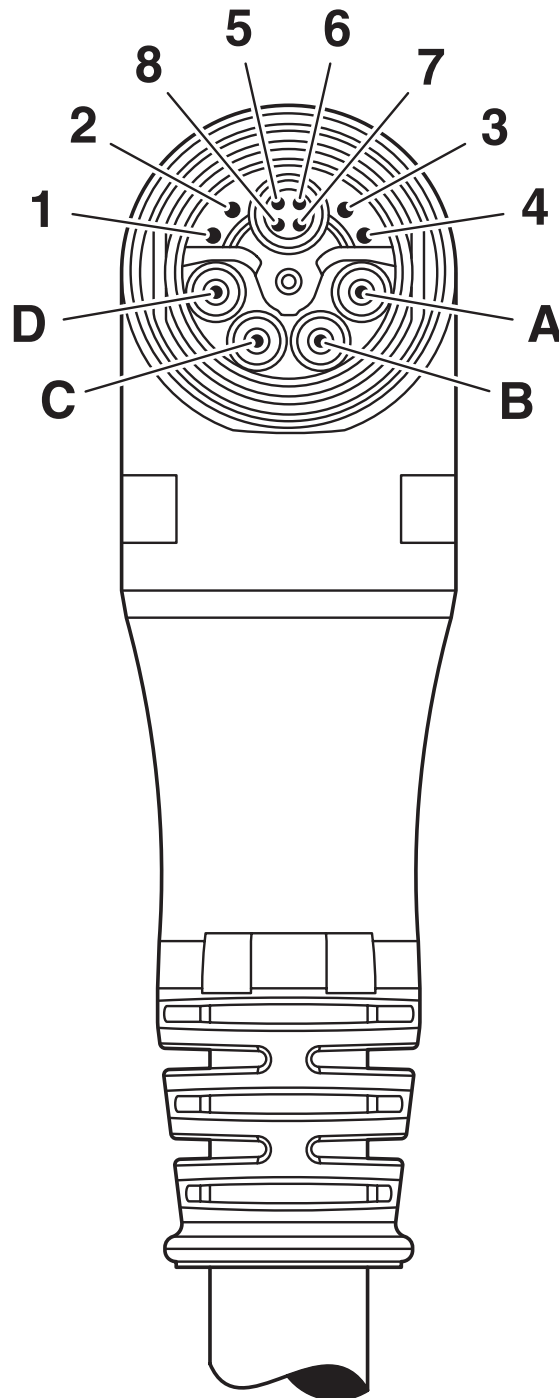
Cable outlet direction

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Schematic diagram



Cable outlet direction

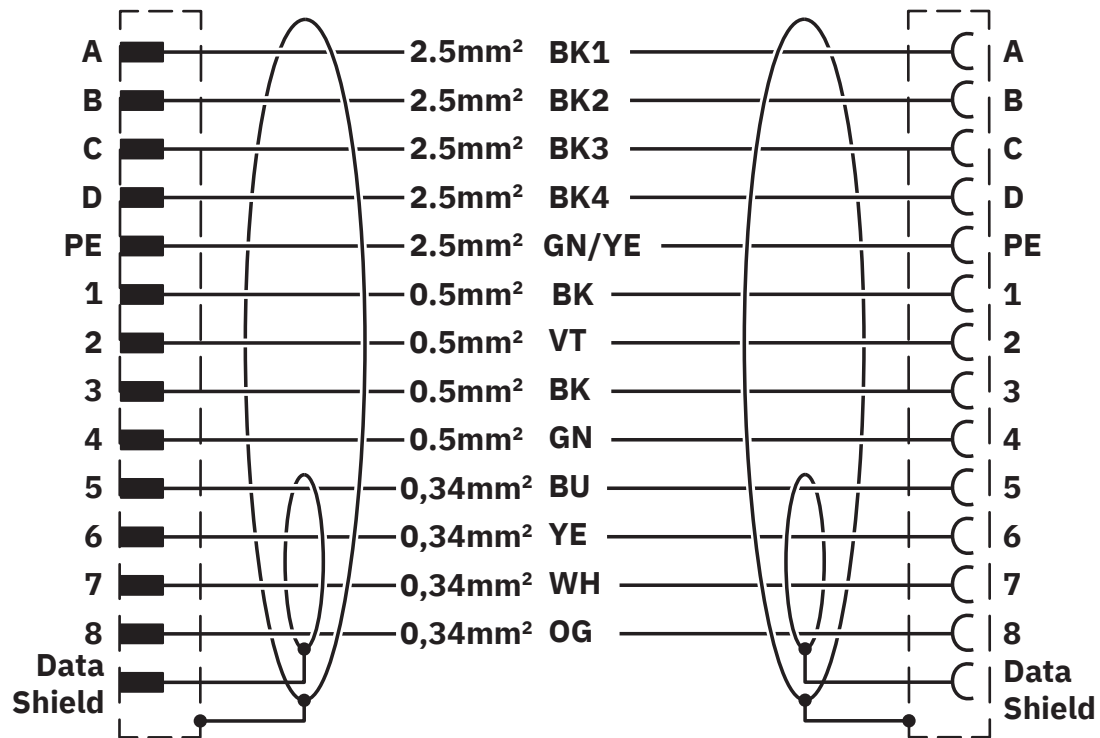
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Circuit diagram



Contact assignment of M23 plugs/sockets

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com