

1591241

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Master cable, application: Sensor/actuator box Plastic, number of positions: 19, slot assignment: Double, status display: no; master cable connection: M23 plug connection, PUR/PVC, cable length: 25 m, shielding: no

Commercial data

Item number	1591241
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRDCB
GTIN	4046356188944
Weight per piece (including packing)	44.72 g
Weight per piece (excluding packing)	44.72 g
Country of origin	DE



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Technical data

Notes

Notes on operation	The master cable is earmarked for use on the sensor/actuator
	boxes with an M23 plug-in connection.

Product properties

Product type	Master cable, assembled
Application	Sensor/actuator box
Number of positions	19

Electrical properties

Nominal voltage U _N	150 V

Connection data

Connection method	Fixed connection	

Signaling

Material specifications

Material Housing	PUR
Material of contact, master cable side	CU alloy
Material of the contact carrier on the master cable side	PA
Material of contact surface, master cable side	gold-plated

Connector

Connection 2

Head design	Socket
Head cable outlet	angled
Head thread type	M23

Cable/line

|--|

PUR/PVC black [PUR]

Dimensional drawing





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UL AWM Style 20549 (80°C/300 V) Number of positions 19 Shielded no Cable type PUR/PVC black [PUR] Conductor structure signal line 28x 0.15 mm AWG signal line 20 Conductor structure, voltage supply 56x 0.15 mm AWG power supply 17 Conductor cross section 16x 0.5 mm² (Signal line) 3x 1 mm² (power line) 3x 1 mm² (power line) Wire diameter incl. insulation 1.5 mm ±0.1 mm (Signal line) External cable diameter 10.50 mm ±0.2 mm Outer sheath, material PUR External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Vorealt twist Wires twisted in layers Nominal vottage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed insta	Cable weight	183.7 kg/km
Number of positions 19 Shielded no Cable type PUR/PVC black [PUR] Conductor structure signal line 28 x 0.15 mm AWG signal line 20 Conductor structure, voltage supply 56x 0.15 mm AWG power supply 17 Conductor cross section 18x 0.5 mm² (Signal line) 3x 1 mm² (power line) 3x 1 mm² (power line) Wire diameter incl. insulation 2.1 mm ±0.1 mm (Signal line) 2x 1 mm ±0.1 mm (Signal line) 2x 1 mm ±0.1 mm (power line) External cable diameter 10.50 mm ±0.2 mm Outer sheath, material PUR External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall Wist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V </td <td></td> <td></td>		
Shielded no Cable type PUR/PVC black [PUR] Conductor structure signal line 28x 0.15 mm AWG signal line 20 Conductor structure, voltage supply 56x 0.15 mm AWG power supply 17 Conductor cross section 16x 0.5 mm² (Signal line) 3x 1 mm² (power line) 1.5 mm ±0.1 mm (Signal line) Wire diameter incl. insulation 2.1 mm ±0.1 mm (power line) External cable diameter 10.50 mm ±0.2 mm Outer sheath, material PUR External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 2000 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D <t< td=""><td>,</td><td></td></t<>	,	
Cable type PUR/PVC black [PUR] Conductor structure signal line 28 x 0.15 mm AWG signal line 20 Conductor structure, voltage supply 56 x 0.15 mm AWG power supply 17 Conductor cross section 16x 0.5 mm² (Signal line) 3x 1 mm² (power line) 3x 1 mm² (power line) Wire diameter incl. insulation 1.5 mm ±0.1 mm (Signal line) External cable diameter 10.50 mm ±0.2 mm Outer sheath, material PUR External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color black RAL 9005 Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D		
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AWG signal line 20 Conductor structure, voltage supply 56x 0.15 mm AWG power supply 17 Conductor cross section 16x 0.5 mm² (Signal line) 3x 1 mm² (power line) Wire diameter incl. insulation 2.1 mm ±0.1 mm (power line) External cable diameter 10.50 mm ±0.2 mm Outer sheath, material PUR External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/gray, gray/brown Inner sheath thickness ≥ 0.76 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 7.9 mm Smallest bending radius, fixed installation 10.5 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s according to DIN EN 50265 Resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) 40° °C 90° °C (cable, fixed installation)		
Conductor structure, voltage supply 56x 0.15 mm AWG power supply 17 Conductor cross section 16x 0.5 mm² (Signal line) 3x 1 mm² (power line) 3x 1 mm² (power line) Wire diameter incl. insulation 1.5 mm ±0.1 mm (Signal line) External cable diameter 10.50 mm ±0.2 mm Outer sheath, material PUR External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 10 x D Smallest bending radius, fixed installation 10 x D Smallest bending radius, movable installation 10 x D Smallest bending radius, movable installation 1	<u> </u>	
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Conductor cross section 16x 0.5 mm² (Signal line) 3x 1 mm² (power line) Wire diameter incl. insulation 1.5 mm ±0.1 mm (Signal line) External cable diameter 10.50 mm ±0.2 mm Outer sheath, material PUR External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 10 x D Smallest bending radius, fixed installation 105 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance accor		
Wire diameter incl. insulation 1.5 mm ±0.1 mm (Signal line) 2.1 mm ±0.2 mm (Outer sheath, material External sheath, color Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath Nominal voltage, cable Test voltage Minimum bending radius, fixed installation Smallest bending radius, fixed installation Dynamic load capacity (bending) Flame resistance Resistance to oil Other resistance Ambient temperature (operation) 10.50 mm ±0.2 mm (Signal line) 2.1 mm ±0.1 mm ±0.2 mm 10.50 mm ±0.4 mm 10.50 mm 10.	AWG power supply	17
Wire diameter incl. insulation 1.5 mm ± 0.1 mm (Signal line) External cable diameter 10.50 mm ± 0.2 mm Outer sheath, material PUR External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 10 x D Smallest bending radius, fixed installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents <td>Conductor cross section</td> <td></td>	Conductor cross section	
External cable diameter 2.1 mm ±0.1 mm (power line) External cable diameter Outer sheath, material PUR External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 79 mm Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Resistance to oil according to VIDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) 40 °C 90 °C (cable, fixed installation)		3x 1 mm² (power line)
External cable diameter Outer sheath, material PUR External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath Overall twist Wires twisted in layers Nominal voltage, cable 300 ∨ Test voltage 2000 ∨ Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 7.5 x D Smallest bending radius, fixed installation 7.9 mm Smallest bending radius, movable installation Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Resistance according to DIN EN 50265 Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) -40 °C 90 °C (cable, fixed installation)	Wire diameter incl. insulation	1.5 mm ±0.1 mm (Signal line)
Outer sheath, material External sheath, color black RAL 9005 Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 ∨ Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 10 x D Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) 40 °C 90 °C (cable, fixed installation)		2.1 mm ±0.1 mm (power line)
External sheath, color Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 10 x D Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil According to VDE 0472 Part 803 Other resistance Ambient temperature (operation) 40 °C 90 °C (cable, fixed installation)	External cable diameter	10.50 mm ±0.2 mm
Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 10 x D Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Silicone-free Ambient temperature (operation) 40 °C 90 °C (cable, fixed installation)	Outer sheath, material	PUR
Material wire insulation PVC Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, flexible installation 10 x D Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Silicone-free Ambient temperature (operation) -40 °C 90 °C (cable, fixed installation)	External sheath, color	black RAL 9005
Single wire, color brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 10 x D Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) -40 °C 90 °C (cable, fixed installation)	Conductor material	Bare Cu litz wires
black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown Inner sheath thickness ≥ 0.15 mm Thickness, outer sheath ≥ 0.76 mm Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, fixed installation 79 mm Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) -40 °C 90 °C (cable, fixed installation)	Material wire insulation	PVC
Thickness, outer sheath Overall twist Wires twisted in layers Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, flexible installation 10 x D Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Special properties Ambient temperature (operation) ≥ 0.76 mm	Single wire, color	black, violet, gray/pink, red/blue, white/green, brown/green,
Overall twist Nominal voltage, cable 300 V Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, flexible installation 10 x D Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil According to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) Wires twisted in layers 300 V Test voltage 7.5 x D Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s According to VDE 0472 Part 803 Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation)	Inner sheath thickness	≥ 0.15 mm
Nominal voltage, cable Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, flexible installation 10 x D Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) 300 V 2000 V 300 V 40 °C 90 °C (cable, fixed installation)	Thickness, outer sheath	≥ 0.76 mm
Test voltage 2000 V Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, flexible installation 10 x D Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) -40 °C 90 °C (cable, fixed installation)	Overall twist	Wires twisted in layers
Minimum bending radius, fixed installation 7.5 x D Minimum bending radius, flexible installation 10 x D Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Silicone-free Ambient temperature (operation) 7.5 x D 7.5 x D 10 x D 79 mm Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Silicone-free -40 °C 90 °C (cable, fixed installation)	Nominal voltage, cable	300 V
Minimum bending radius, flexible installation Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) 10 x D 79 mm 105 mm Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s according to VIN EN 50265 According to VDE 0472 Part 803 Highly resistant to acids, alkaline solutions and solvents Silicone-free -40 °C 90 °C (cable, fixed installation)	Test voltage	2000 V
Smallest bending radius, fixed installation 79 mm Smallest bending radius, movable installation 105 mm Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Ambient temperature (operation) 79 mm 105 mm Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s according to DIN EN 50265 Becistance to oil According to VDE 0472 Part 803 Highly resistant to acids, alkaline solutions and solvents Silicone-free 40 °C 90 °C (cable, fixed installation)	Minimum bending radius, fixed installation	7.5 x D
Smallest bending radius, movable installation Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Silicone-free Ambient temperature (operation) 105 mm 105 mm 105 mm According cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s according to DIN EN 50265 Second according to VDE 0472 Part 803 Highly resistant to acids, alkaline solutions and solvents Silicone-free -40 °C 90 °C (cable, fixed installation)	Minimum bending radius, flexible installation	10 x D
Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Silicone-free Ambient temperature (operation) Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s according to DIN EN 50265 Security 10 according to VDE 0472 Part 803 Highly resistant to acids, alkaline solutions and solvents Silicone-free -40 °C 90 °C (cable, fixed installation)	Smallest bending radius, fixed installation	79 mm
Traversing path: 2 m, Traversing rate: 2 m/s Flame resistance according to DIN EN 50265 Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Silicone-free Ambient temperature (operation) -40 °C 90 °C (cable, fixed installation)	Smallest bending radius, movable installation	105 mm
Resistance to oil according to VDE 0472 Part 803 Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Silicone-free Ambient temperature (operation) -40 °C 90 °C (cable, fixed installation)	Dynamic load capacity (bending)	
Other resistance Highly resistant to acids, alkaline solutions and solvents Special properties Silicone-free -40 °C 90 °C (cable, fixed installation)	Flame resistance	according to DIN EN 50265
Special properties Silicone-free -40 °C 90 °C (cable, fixed installation)	Resistance to oil	according to VDE 0472 Part 803
Ambient temperature (operation) -40 °C 90 °C (cable, fixed installation)	Other resistance	Highly resistant to acids, alkaline solutions and solvents
	Special properties	Silicone-free
-5 °C 80 °C (Cable, flexible installation)	Ambient temperature (operation)	-40 °C 90 °C (cable, fixed installation)
		-5 °C 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-40 °C 125 °C (Plug / socket)

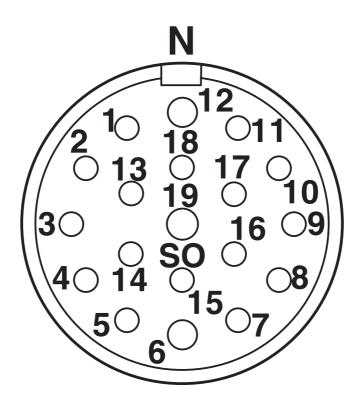


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Drawings

Schematic diagram



Pin assignment M23 socket, 19-pos., female side view



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Environmental product compliance

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.)	No substance above 0.1 wt%

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