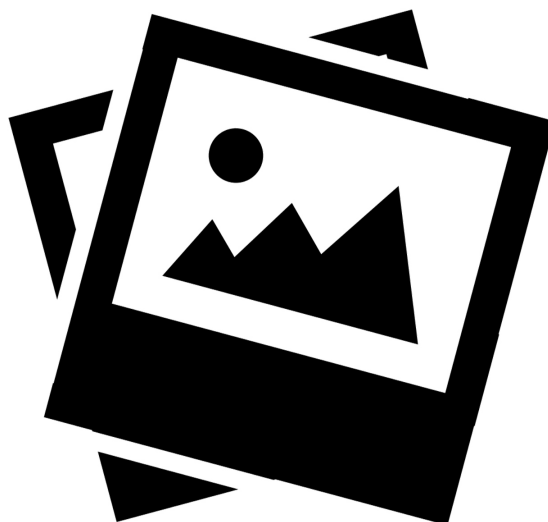


ZK2000-5600-1xxx | Sensor cable, PUR, 5 x 0.25 mm², fixed installation, shielded



M12, flange rear assembly, straight, female, 5-pin, A-coded – open end, 5-wire + shielding



Plugs

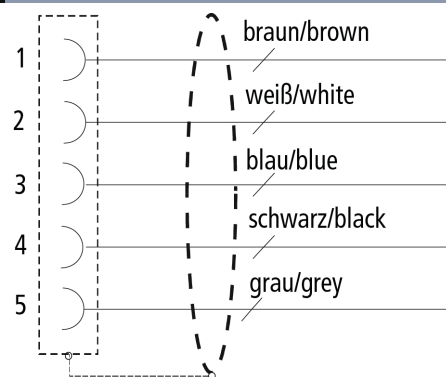
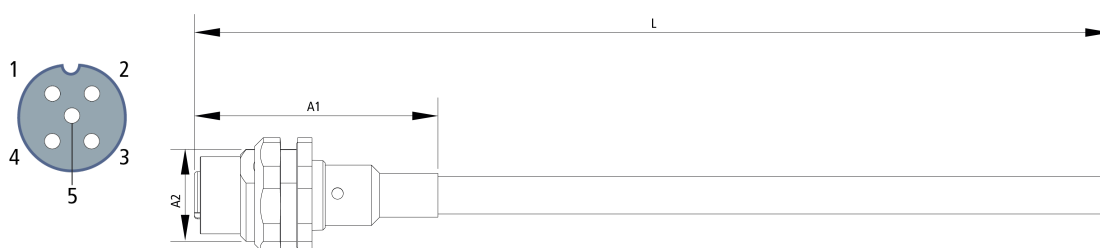
Electrical data	Head A	Head B
Rated voltage	60 V (according to IEC 61076-2-101)	-
Rated current	4 A at 40 °C (according to IEC 61076-2-101)	-
Shielding	yes	-
Contact resistance	< 10 mΩ	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M12	open end
Connector type	flange rear assembly	-
Configuration	straight	-
Contact type	female	-
Number of positions (face)	5-pin	5-wire + shielding
Coding	A-coded	-

Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-
Weight per piece	0.023 kg (0.0507 lb)	-
Body color	black	-
Body material	TPU, UL 94 HB	-
Coupling nut material	GD-Zn, Ni	-
Seal	FPM	-
Contact carrier color	red	-
Contact carrier material	PA, UL 94 V-0	-
Contact plating	Ni, Au gal.	-
Contact material	CuZn, Ni b/Au 0.2 gal.	-
Environmental data		
Special features	halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1	-
RoHS compliant	yes	-
Ambient temperature (operation)	-30...+85 °C, -22...+185 °F	-
Protection rating	IP65/67 in screwed condition (according to IEC 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

Cable

Electrical data		
Rated voltage	300 V	
Operating voltage	≤ 300 V	
Wire resistance	≤ 78 Ω/km (20 °C)	
Test voltage	≥ 3000 V	
Mechanical data		
Cross-section (power)	5 x 0.25 mm ² (AWG24)	
Cross-section (signal)	5 x 0.25 mm ² (AWG24)	
Min. bending radius, moved	10 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Weight	41 kg/km (27.84 lb/1000 ft)	
Outer cable diameter	5.4 mm ± 0.2 mm (0.213" ± 0.0079")	
Shielding	braiding of tinned copper wires	
Optical covering factor of shielding	≥ 85%	

Use	fixed installation
Jacket color	black
Material jacket	PUR (polyurethane)
Wire color code	brown, white, blue, black, gray
Wire insulation material	PP (polypropylene)
Printing color	white
Environmental data	
Operation temperature range, fixed installation	-30...+80 °C, -22...+176 °F
Oil resistance	according to DIN EN 60811-2-1
Special features	Hydrolysis and microbe-resistant, low adhesion
Flame-retardant	according to cULus 20549
Halogen-free	DIN VDE 0472 part 815
CE	yes
UL	yes, UL E-file number: E242293

Contact assembly**Dimensions**

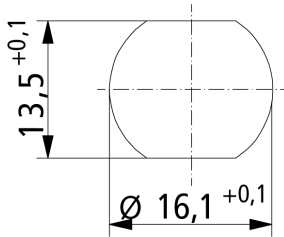
A1	42.50 mm
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A2	M16
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Notes

- Depending on the cable length (L), the following length tolerances apply:
0 m...<0.2 m: ± 10 mm | 0.2...4.0 m: + 40 mm | ≥ 4.0 m: + 1 %
- Illustrations similar
- Further cable length on request.

Installation dimensions



Ordering information

Length

ZK2000-5600-1020

2.00 m

Accessories

ZB8801-0000

torque wrench for hexagonal plugs, adjustable

ZB8801-0002

torque cable key, M12/wrench size 13, for ZB8801-0000



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