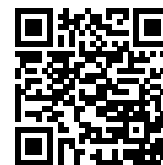
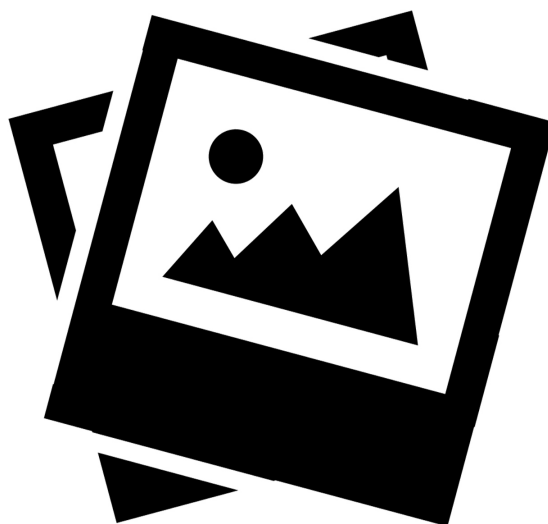


ZK2000-5600-0xxx | Sensor cable, PUR, 5 x 0.34 mm², drag-chain suitable



M12, flange, straight, female, 5-pin, A-coded – open end, 5-wire



Plugs

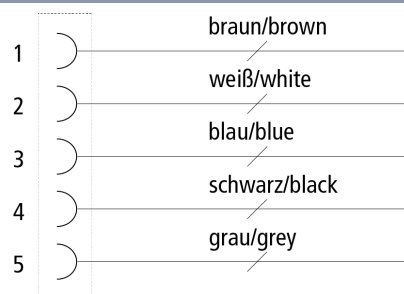
Electrical data	Head A	Head B
Rated voltage	60 V (according to IEC 61076-2-101)	-
Rated current	4 A at 40 °C (according to IEC 61076-2-101)	-
Shielding	no	-
Contact resistance	< 10 mΩ	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M12	open end
Connector type	flange	-
Configuration	straight	-
Contact type	female	-
Number of positions (face)	5-pin	5-wire
Coding	A-coded	-
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 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	60 V (according to IEC 61076-2-104)	
Insulation resistance	$\geq 1 \text{ G}\Omega \cdot \text{km}$	
Wire resistance (signal/24V)	$\leq 58.0 \text{ }\Omega/\text{km}$ (20 °C)	
Test voltage	$\geq 3000 \text{ V}$	
Mechanical data		
Conductor construction (signal/24V)	42 x 0.10 mm	
Cross-section (signal)	5 x 0.34 mm ² (AWG22)	
Min. bending radius, moved	10 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Weight	37 kg/km (24.86 lb/1000 ft)	
Outer cable diameter	5.1 mm \pm 0.15 mm (0.200787" \pm 0.0059")	
Shielding	no	
Use	drag-chain suitable	
Max. acceleration	10 m/s ²	
Max. speed	3 m/s	
Max. travel distance	10 m	

Max. number of cycles	4 million
Wall thickness of wire insulation (signal/24V)	≥ 0.21 mm
Jacket color	black
Material jacket	PUR (polyurethane)
Wire color code	brown, white, blue, black, gray
Printing color	white
Environmental data	
Operation temperature range, moved	-25...+80 °C, -13...+176 °F
Operation temperature range, fixed installation	-40...+80 °C, -40...+176 °F
Flame-retardant	according to DIN EN 60332-2-2
Halogen-free	DIN VDE 0472 part 815
CE	yes
UL	yes, UL E-file number: E242293

Contact assembly**Dimensions**

A1	20.0 mm
A2	M12 inner diameter, M16 outer diameter

Notes

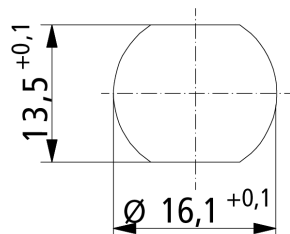
- Depending on the cable length (L), the following length tolerances apply:
0 m...3.0 m: + 100 mm | 3.0...10.0 m: ± 100 mm | ≥ 10.0 m: ± 2 %
- Illustrations similar

- Further cable length on request. The last three digits of the ordering information is the cable length in decimeters, e.g. ZKxxx-xxx-x020 = cable length 2.00 m

CE, UL

CE	yes
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Installation dimensions



Ordering information

Length

ZK2000-5600-0030	3.00 m
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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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