ZK2000-7132-0xxx | Sensor cable, PUR, 4 x 0.34 mm², drag-chain suitable

M12, plug, straight, male, 5-pin, A-coded – M8, socket, straight, female, 4-pin, A-coded



Plugs

Electrical data	Head A	Head B
Rated voltage	60 V (according to IEC 61076-2-101)	50 V AC/60 V DC (according to IEC 61076-2-104)
Rated current	4 A at 40°C (according to IEC 61076-2-101)	4 A at 40°C (leaning on IEC 61076-2-104)
Shielding	yes	no
Contact resistance	< 10 mΩ	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	≥ 10 GΩ (according to IEC 60512-2)
Mechanical data		
Installation size	M12	M8
Connector type	plug	socket
Configuration	straight	straight
Contact type	male	female
Number of positions (face)	5-pin	4-pin
Coding	A-coded	A-coded

Recommended torque, nut	0.6 Nm	0.4 Nm
Mating cycles	≥ 100 (according to IEC 60512-9a)	≥ 100 (according to IEC 60512-9a)
Way of locking	screw	screw
Weight	0.023 kg (0.0507 lb)	0.028 kg (0.0617 lb)
Body color	black	black
Body material	TPU, UL 94 HB	TPU, UL94
Coupling nut material	GD-Zn, Ni	CuZn, Ni
Seal	FPM	FPM
Contact carrier color	red	red
Contact carrier material	PA, UL 94 V-0	TPU GF, UL 94
Contact plating	-	Ni, Au gal.
Contact material	CuZn, Ni b/Au 0.2 gal.	CuZn
Environmental data		
Special features	halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1	halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1
RoHS compliant	yes	yes
Ambient temperature (operation)	-30...+85°C, -22...+185°F	-30...+80°C, -22...+176°F
Protection rating	IP65/67 in screwed condition (according to IEC 60529)	IP65/67 in screwed condition (according to IEC 60529)
Pollution level	3/2 (according to IEC 60664-1)	3/2 (according to IEC 60664-1)

Cable

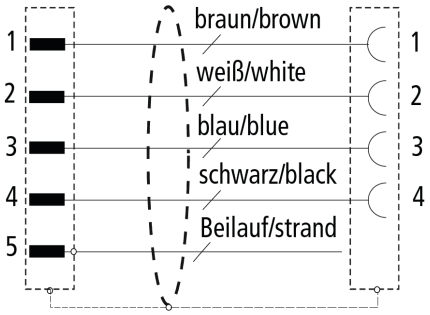
Electrical data	
Rated voltage	≤ 300 V
Insulation resistance	10 MΩ * km
Wire resistance (signal/24V)	≤ 58.0 Ω/km (20°C)
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction (signal/24V)	42 x 0.10 mm
Cross-section (power)	4 x 0.34 mm² (AWG22) and shield
Cross-section (signal)	4 x 0.34 mm² (AWG22) and shield
Outer cable diameter	5.4 mm ± 0.2 mm (0.213" ±0.0079")
Min. bending radius, moved	10 x outer cable diameter
Min. bending radius, fixed installation	5 x outer cable diameter
Weight	45 kg/km (30.24 lb/1000 ft)
Shielding	aluminum-clad foil, braiding of tinned copper wires

Optical covering factor of shielding	≥ 85%
Use	drag-chain suitable
Max. acceleration	5 m/s²
Max. speed	1.6 m/s
Max. travel distance	5 m (horizontal with 5 m/s²), 2 m (vertical with 5 m/s²)
Max. number of cycles	2 million
Jacket color	black
Material jacket	PUR (polyurethane)
Wire color code	brown, white, blue, black
Wire insulation material	PP (polypropylene)
Printing color	white

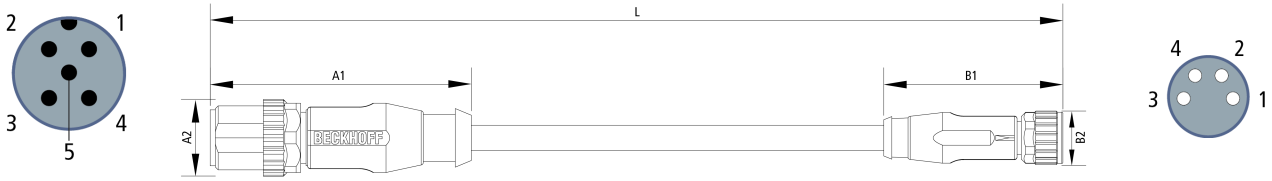
Environmental data

Operation temperature range, moved	-30...+80°C, -22...+176°F
Flame-retardant	according to UL 758/1581 (cUL-FT2)
Halogen-free	according to DIN VDE 0472 part 815
CE	yes
UL	yes, UL E-file number: E257058

Pin assignment



Dimensions



A1	49.0 mm

A2	Ø 14.5 mm
B1	34.00 mm
B2	Ø 10.1 mm

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.

Ordering information	Length
ZK2000-7132-0002	0.20 m
ZK2000-7132-0010	1.00 m
ZK2000-7132-0020	2.00 m
ZK2000-7132-0070	7.00 m

Further length on request

Accessories	
ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0001	torque cable key, M8/wrench size 9, for ZB8801-0000
ZB8801-0002	torque cable key, M12/wrench size 13, for ZB8801-0000
ZB8803-0001	Flange/Panel feed-through for M8 pre-assembled, for fixing the connector, plastic, including screws, washers and lock nuts
ZB8803-0003	Flange/Panel feed-through for M12 pre-assembled, for fixing the connector, plastic, including screws, washers and lock nuts



Products marked with a crossed-out wheeled bin shall not be discarded with the normal waste stream. The device is considered as waste electrical and electronic equipment. The national regulations for the disposal of waste electrical and electronic equipment must be observed.

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