ZK2000-6134-0xxx | Sensor cable, PUR, 4 x 0.34 mm², drag-chain suitable

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



Plugs

Electrical data	Head A	Head B
Rated voltage	250 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)
Rated impulse voltage	1.5 kV	-
Shielding	no	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	angled
Contact type	male	female
Number of positions (face)	4-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	-	0.028 kg (0.0617 lb)
Body color	black	black
Body material	TPU, UL 94	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.	Ni, Au gal.
Contact material	CuZn	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

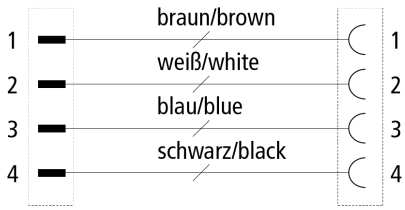
Electrical data	
Rated voltage	≤ 300 V
Insulation resistance	≥ 10 GΩ * km
Wire resistance (signal/24V)	≤ 58.0 Ω/km (20°C)
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction (power)	42 x 0.10 mm
Cross-section	4 x 0.34 mm² (AWG22)
Outer cable diameter	4.7 mm ± 0.15 mm (0.185" ± 0.0059")
Min. bending radius, moved	6 x outer cable diameter
Min. bending radius, moved in drag-chain	10 x outer cable diameter
Min. bending radius, fixed installation	5 x outer cable diameter
Weight	31 kg/km (20.8 lb/1000 ft)

Shielding	no
Use	drag-chain suitable
Max. acceleration	10 m/s²
Max. speed	5 m/s
Max. number of cycles	10 million at max. 20 m travel distance, 2 million at max. 100 m travel distance
Wall thickness of wire insulation (power)	≥ 0.21 mm
Jacket color	black
Material jacket	PUR (polyurethane)
Wire color code	white, blue, black, brown
Wire insulation material	PP (polypropylene)
Printing on the jacket	Li9Y11Y 4x0,34mm² E242293 (cULus-Symbol) AWM STYLE 20549 80C 300V AWM I A/B 80C 300V FT2
Printing color	white

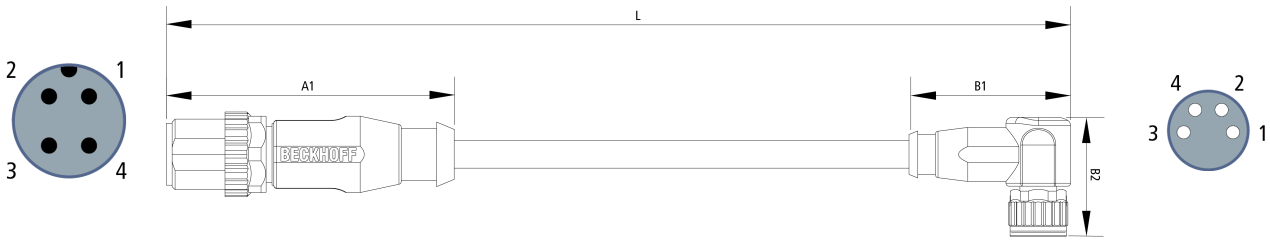
Environmental data

Operation temperature range, moved	-25...+80°C, -13...+176°F
Oil resistance	168 h 100°C (according to DIN EN 60811-2-1)
Flame-retardant	according to DIN EN 60332-2-2
Halogen-free	according to DIN VDE 0472 part 815
CE	yes
UL	yes, UL E-file number: E242293

Pin assignment



Dimensions



A1	49.00 mm
A2	14.50 mm
B1	27.50 mm

B2	19.20 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
ZK2000-6134-0005	0.50 m
ZK2000-6134-0010	1.00 m
ZK2000-6134-0030	3.00 m
ZK2000-6134-0065	6.50 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
ZB8803-0003	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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