

ZK2080-4100-0xxx | Motor/Sensor cable, PUR, 5 x 0.34 mm², drag-chain suitable



M8, plug, straight, male, 5-pin, B-coded – open end, 5-wire



Plugs

Electrical data	Head A	Head B
Rated voltage	32 V	-
Rated current	3 A at 40°C (according to IEC 61076-2-104)	-
Shielding	no	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M8	open end
Connector type	plug	-
Configuration	straight	-
Contact type	male	-
Number of positions (face)	5-pin	5-wire
Coding	B-coded	-
Recommended torque, nut	0.4 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-

Body color	black	-
Body material	TPU, UL 94, HB	-
Coupling nut material	GD-Zn, Ni	-
Contact carrier color	black	-
Contact carrier material	PA, UL 94 V-0	-
Contact material	CuZn, Ni b/Au	-
Environmental data		
Ambient temperature (operation)	-25...+80°C, -13...+176°F	-
Protection rating	IP67 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	≥ 1 GΩ * 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 (signal)	5 x 0.34 mm ² (AWG22)
Outer cable diameter	5.1 mm ± 0.15 mm (0.200787" ± 0.0059")
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)
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	according to DIN VDE 0472 part 815
CE	yes
UL	yes, UL E-file number: E242293

Pin assignment	
1	braun/brown
2	weiß/white
3	blau/blue
4	schwarz/black
5	grau/grey

Dimensions	
	
A1	40.0 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.

CE, UL	
CE	yes

Ordering information	Length
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ZK2080-4100-0020

2.00 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
ZB8803-0001	Flange/Panel feed-through for M8 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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