ZK2000-A200-0xxx | Sensor cable, PUR, 12 x 0.14 mm², drag-chain suitable

M12, socket, straight, female, 12-pin, A-coded – open end, 12-wire

Plugs

Electrical data	Head A	Head B
Rated voltage	30 V (according to IEC 61076-2-101)	-
Rated current	1.5 A at 40°C	-
Shielding	no	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M12	open end
Connector type	socket	-
Configuration	straight	-
Contact type	female	-
Number of positions (face)	12-pin	12-wire
Coding	A-coded	-
Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-

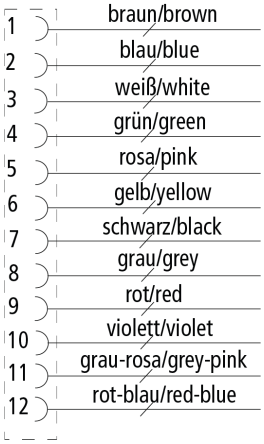
Body color	gray	-
Body material	TPU, UL 94	-
Coupling nut material	GD-Zn, Ni	-
Seal	FPM	-
Contact carrier color	black	-
Contact carrier material	TPU, PA, UL 94	-
Contact material	CuZn, Ni b/Au	-
Environmental data		
RoHS compliant	yes	-
Ambient temperature (operation)	-30...+80 °C, -22...+176 °F	-
Protection 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
Insulation resistance	≥ 1 GΩ * km
Wire resistance (signal/24V)	≤ 139.0 Ω/km
Test voltage	≥ 3000 V
Mechanical data	
Cross-section	12 x 0.14 mm² (AWG26)
Outer cable diameter	6.1 mm ± 0.2mm (0.240" ± 0.0079")
Min. bending radius, moved	10 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	45 kg/km (30.2 lb/1000 ft)
Conductor material	copper bare
Shielding	no
Use	drag-chain suitable
UL-Style	AWM STYLE 20549/10152
Max. acceleration	10 m/s²
Max. speed	3 m/s
Max. number of cycles	4 million
Jacket color	black
Material jacket	PUR (polyurethane)

Wire color code	brown, blue, white, green, pink, yellow, black, grey, red, violet, grey-pink, red-blue
Wire insulation material	PP (polypropylene)
Printing on the jacket	781-K11120 Li9Y11Y 12x0,14mm² E242293 (cULus- Recognized-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
Operation temperature range, fixed installation	-40...+80 °C, -40...+176 °F
UV resistance	UV resistance of the outer jacket referred to DIN EN ISO 4892-2
Oil resistance	according to DIN EN 60811-404
Flame-retardant	according to UL 758/1581 (cUL-FT2)
Halogen-free	according to IEC 60754 or DIN VDE 0472 part 815
UL	yes, UL E-file number: E242293

Contact assembly



Dimensions

A1	44.0 mm
A2	Ø14.50 mm

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. ZKxxxx-xxxx-x020 = cable length 2.00 m

CE, UL	
CE	yes

Ordering information	Length
ZK2000-A200-0075	7.50 m
ZK2000-A200-0200	20.00 m

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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