ZK2000-8400-3xxx | Sensor cable, PUR, 8 x 0.25 mm², shielded, fixed installation

M12, socket, angled, female, 8-pin, A-coded – open end, 8-wire + shield

Plugs

Electrical data	Head A	Head B
Rated voltage	30 V (according to IEC 61076-2-101)	-
Rated current	2 A at 40°C (according to IEC 61076-2-101)	-
Shielding	yes	-
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	-
Mechanical data		
Installation size	M12	open end
Connector type	socket	-
Configuration	angled	-
Contact type	female	-
Number of positions (face)	8-pin	8-wire + shield
Coding	A-coded	-
Recommended torque, nut	0.6 Nm	-
Mating cycles	≥ 100 (according to IEC 60512-9a)	-
Way of locking	screw	-

Weight per piece	0.046 kg (0.1014 lb)	-
Body color	metal	-
Body material	GD-Zn, Ni	-
Coupling nut material	GD-Zn, Ni	-
Seal	elastomers	-
O-ring	NBR	-
Contact carrier color	black	-
Contact carrier material	PA, UL 94	-
Contact plating	Ni, Au gal.	-
Contact material	CuZn	-
Environmental data		
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)	-

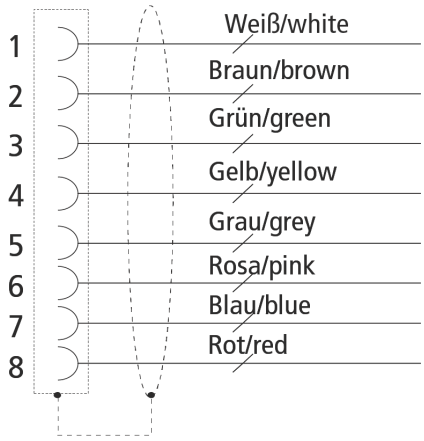
Cable

Electrical data	
Rated voltage	≤ 300 V
Insulation resistance	≥ 1 GΩ * km
Wire resistance (signal/24V)	≤ 78 Ω/km
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction (signal/24V)	32 x 0.10 mm
Cross-section (signal)	8 x 0.25 mm² (AWG24)
Outer cable diameter	6.6 mm ± 0.2mm (0.259" ± 0.0079")
Min. bending radius, moved	10 x outer cable diameter
Min. bending radius, fixed installation	5 x outer cable diameter
Weight	69 kg/km (46.3 lb/1000 ft)
Conductor material (signal/24V)	copper bare
Shielding	yes
Optical covering factor of shielding	≥ 85%
Optical covering factor of shielding (total)	yes
Use	fixed installation
Jacket color	gray

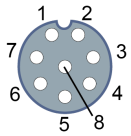
Material jacket	PVC (polyvinyl chloride)
Wire color code	brown, green, yellow, gray, pink, blue, red, white
Wire insulation material	PP (polypropylene)
Printing on the jacket	LiYFCY 8x0.25mm² E242293 (cULus-Symbol) AWM STYLE 2464 80C 300V VW-1 AWM I A/B 80C 300V FT1
Printing color	black

Environmental data	
Operation temperature range, moved	-25...+80°C, -13...+176°F
Operation temperature range, fixed installation	-40...+80°C, -40...+176°F
Oil resistance	according to DIN EN 60811-2-1
Flame-retardant	according to AWM Style 2464 UL 758/1581 FT1 DIN EN 60332-1-2
Halogen-free	no
UL	yes, UL E-file number: E242293

Contact assembly



Dimensions



A1	36.00 mm
A2	Ø14.50 mm
A3	27.00 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
UL	yes, UL E-file number: E480185

Ordering information	Length
ZK2000-8400-3150	15.00 m

Accessories	
ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0002	torque cable key, M12/wrench size 13, for ZB8801-0000

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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