

ZK2000-8600-3xxx | Sensor cable, PVC, 8 x 0.25 mm², shielded, fixed installation



M12, flange, straight, female, 8-pin, A-coded – open end, 8-wire + shield



Plugs

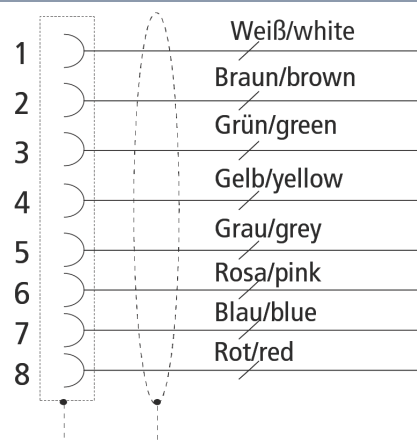
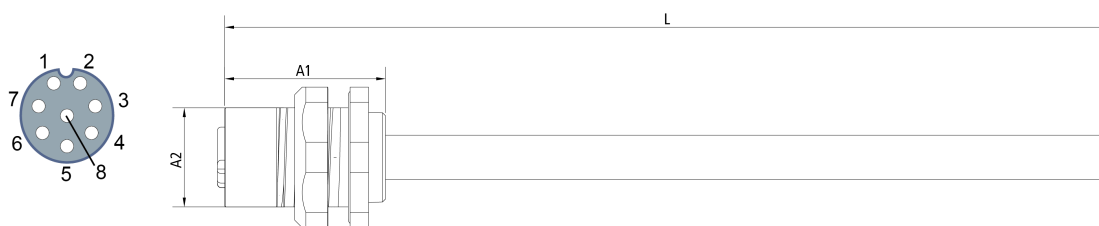
| Electrical data | Head A | Head B |
|----------------------------|---|-----------------|
| Rated voltage | 30 V (according to IEC 61076-2-101) | - |
| Rated current | 2 A at 40 °C (according to IEC 61076-2-101) | - |
| Shielding | yes | - |
| Insulation resistance | ≥ 100 MΩ (according to IEC 60512) | - |
| Mechanical data | | |
| Installation size | M12 | open end |
| Connector type | flange | - |
| Configuration | straight | - |
| 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 | - |
| 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 mm ² (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 | |
| 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 8x0.25mm ² 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 | 20.50 mm |
| A2 | M12 inner diameter, M16 outer diameter |

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 |
|----------------------|--------|
| ZK2000-8600-3020 | 2.00 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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