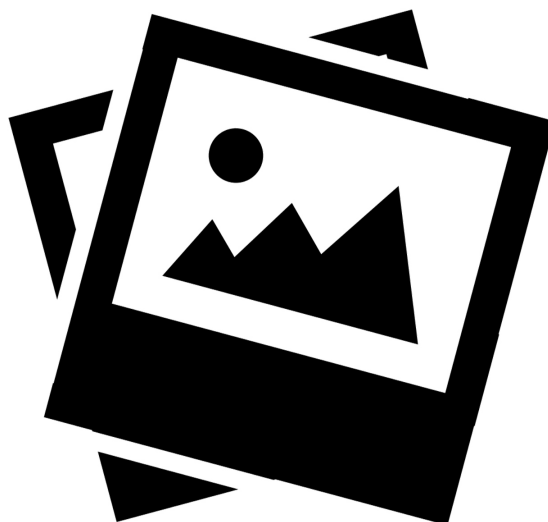


ZK2080-4131-0xxx | Motor/Sensor cable, PUR, 5 x 0.34 mm², drag-chain suitable



M8, plug, straight, male, 5-pin, B-coded – M8, plug, straight, male, 4-pin, A-coded



Plugs

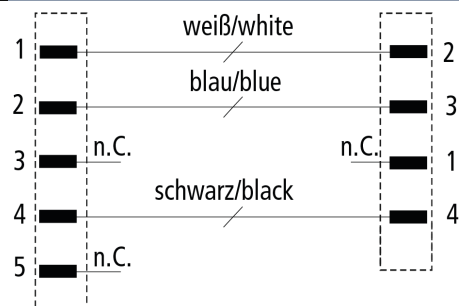
| Electrical data | Head A | Head B |
|----------------------------|---|---|
| Rated voltage | 30 V | 30 V (according to IEC 61076-2-104) |
| Rated current | 4 A at 40 °C (according to IEC 61076-2-104) | 4 A at 40 °C (leaning on IEC 61076-2-104) |
| Shielding | no | no |
| Insulation resistance | ≥ 100 MΩ (according to IEC 60512) | ≥ 10 GΩ (according to IEC 60512-2) |
| Mechanical data | | |
| Installation size | M8 | M8 |
| Connector type | plug | plug |
| Configuration | straight | straight |
| Contact type | male | male |
| Number of positions (face) | 5-pin | 4-pin |
| Coding | B-coded | A-coded |
| Recommended torque, nut | 0.4 Nm | 0.4 Nm |

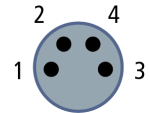
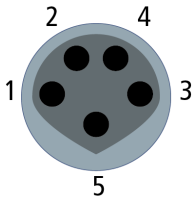
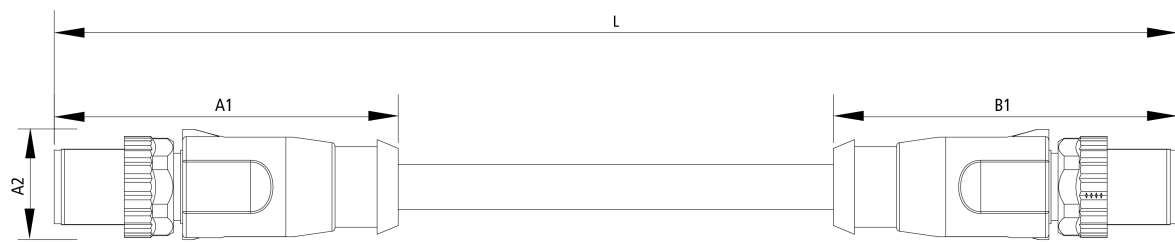
| | | |
|---------------------------------|--|---|
| Mating cycles | ≥ 100 (according to IEC 60512-9a) | ≥ 100 (according to IEC 60512-9a) |
| Way of locking | screw | screw |
| Weight per piece | - | 0.028 kg (0.0617 lb) |
| Body color | black | black |
| Body material | TPU, UL 94, HB | TPU, UL94 |
| Coupling nut material | GD-Zn, Ni | CuZn, Ni |
| Seal | - | FPM |
| Contact carrier color | black | red |
| Contact carrier material | PA, UL 94 V-0 | TPU GF, UL 94 |
| Contact plating | - | Ni, Au gal. |
| Contact material | CuZn, Ni b/Au | CuZn |
| Environmental data | | |
| Special features | - | halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1 |
| RoHS compliant | - | yes |
| Ambient temperature (operation) | -25...+80 °C, -13...+176 °F | -30...+80 °C, -22...+176 °F |
| Protection rating | IP67 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 | 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) | |
| 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) | |
| Outer cable diameter | 5.1 mm ± 0.15 mm (0.200787" ± 0.0059") | |
| 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 | DIN VDE 0472 part 815 |
| CE | yes |
| UL | yes, UL E-file number: E242293 |

Contact assembly**Dimensions**



| | |
|----|----------|
| A1 | 40.0 mm |
| B1 | 39.60 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

| Ordering information | Length |
|----------------------|--------|
| ZK2080-4131-0005 | 0.50 m |
| ZK2080-4131-0010 | 1.00 m |

Accessories

| | |
|-------------|---|
| ZB8801-0000 | torque wrench for hexagonal plugs, adjustable |
| ZB8801-0001 | torque cable key, M8/wrench size 9, for ZB8801-0000 |



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