

M12 female 0° A-cod. with cable shielded

RADOX EM 104 4x0.5 shielded bk 10m

Female straight M12, 4-pole shielded

with cable sleeves

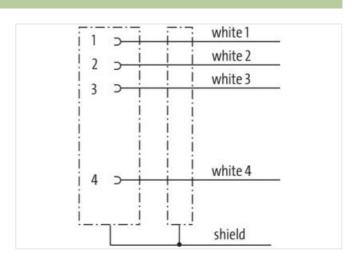
Plastic housings with good resistance against chemicals and oils.

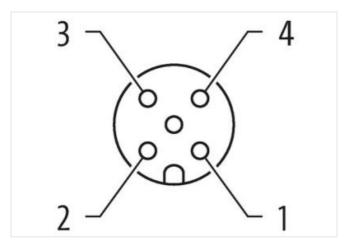
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

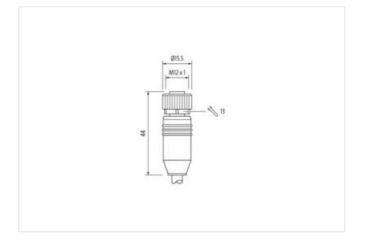
Link to Product

Illustration









Product may differ from Image

| Cable length | 30 m | |
|--------------------------|---------|--|
| Side 1 | | |
| Tightening torque | 0,6 Nm | |
| Family construction form | M12 | |
| Thread | M12 x 1 | |
| Coding | А | |
| Width across flats | SW13 | |

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26



stay connected

| Stripping length (jacket) | 40 mm | |
|--|---|--|
| Commercial data | | |
| ECLASS-6.0 | 27279218 | |
| ECLASS-6.1 | 27279218 | |
| ECLASS-7.0 | 27279218 | |
| ECLASS-8.0 | 27279218 | |
| ECLASS-9.0 | 27060311 | |
| ECLASS-10.1 | 27060311 | |
| ECLASS-11.1 | 27060311 | |
| ECLASS-12.0 | 27060311 | |
| ETIM-5.0 | EC001855 | |
| customs tariff number | 85444290 | |
| GTIN | 4065909057735 | |
| Packaging unit | 1 | |
| Electrical data Supply | | |
| Operating voltage AC max. | 60 V | |
| Operating voltage DC max. | 60 V | |
| Current operating per contact max. | 4 A | |
| Installation Connection | | |
| Stripping length (jacket) | 40 mm | |
| Device protection Electrical | | |
| Pollution Degree | 3 | |
| Rated surge voltage | 1,5 kV | |
| Material group (IEC 60664-1) | ı | |
| Mechanical data | | |
| Contour for corrugated hose | without | |
| Mechanical data Material data | | |
| Coating locking | Nickeled | |
| Material housing | PUR | |
| Locking material | Zinc die-casting | |
| Mechanical data Mounting data | | |
| Mounting method | inserted, screwed, Shaking protection | |
| Environmental characteristics Climatic | | |
| Operating temperature min. | -25 °C | |
| Operating temperature max. | 85 °C | |
| Additional condition temperature range | depending on cable quality | |
| Important installation notes | | |
| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. | |
| Note on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. | |
| Conformity | | |
| Product standard | DIN EN 61076-2-101 (M12) | |
| Installation Cable | | |
| wire arrangement | white 1, white 2, white 3, white 4 | |
| Cable identification | R13 | |
| Printing color of wire insulation | black (white isolation) | |
| Printing spacing of wire insulation | 15 mm | |
| Jacket Color | black | |
| Amount stranding | 1 | |



| Stranding | 4 wires twisted |
|---|--|
| Cable shielding (type) | copper braid, tinned |
| Banding | Fleece, Foil |
| wire arrangement | white 1, white 2, white 3, white 4 |
| Cable weigth | 67,1 g/m |
| Material jacket | Radox EM 104 |
| Freedom from ingredients (jacket) | lead-free, CFC-free, halogen-free |
| Outer-diameter (jacket) | 5,4 mm |
| Tolerance outer diameter (sheath) | ±5% |
| Material wire insulation | Radox El 303 |
| Amount wires | 4 |
| Outer diameter insulation | 1,42 mm |
| Outer diameter tolerance core insulation | ±5% |
| Ingredient freeness wire insulation | lead-free, CFC-free, halogen-free |
| Printing color of wire insulation | black (white isolation) |
| Printing spacing of wire insulation | 15 mm |
| Amount strands (wire) | 19 |
| Diameter of single wires | 0,18 mm |
| Conductor crosssection (wire) | 0,5 mm ² |
| Material conductor wire | copper stranded wire, tinned |
| Conductor type (wire) | Strand class 5 |
| Max. rated voltage (conductor - conductor) | 1000 V |
| Max. rated voltage (conductor - ground) | 600 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 7,2 A |
| Electrical resistance line constant wire | 40,1 Ω/km @ 20 °C |
| AC withstand voltage (wire - wire) | 3,5 kV @ 60 s |
| Power frequency withstand voltage (wire - jacket) | 3,5 kV @ 60 s |
| AC withstand voltage (wire - shield) | 3,5 kV @ 60 s |
| Min. operating temperature (static) | -50 °C |
| Max. operating temperature (fixed) | 120 °C |
| Operating temperature min. (dynamic) | -25 °C |
| Operating temperature max. (dynamic) | 90 °C |
| UV resistance | DIN EN ISO 4892-2 A |
| Flame resistance | UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | Good, application-related testing DIN EN 60811-404 |
| Bending radius (fixed) | 3 x Outer diameter |
| Bending radius (dynamic) | 4 x Outer diameter |