



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage | 3 |
| Wire Size/AWG | 28 - 20 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm |
| Size | 0T |
| Suggested matching part | EGG.0T.303.CLL |
| Series | T - Small Outdoor keyed |

Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 3 |
| Contact Termination Low voltage | Solder |
| R (max) | 4.8 mOhm |
| Insert configuration value | T.303 - 3 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 8 A |
| Vtest (contact-contact) | 1.7 kV (DC) |
| Vtest (contact-shell) | 1.3 kV (DC) |
| Max. Solid Conductor | 0.56 mm ² (AWG 20) |
| Max. Stranded Conductor | 0.56 mm ² (AWG 20) |
| Bucket Dia. | 1.0 mm (0.039in) |
| Contact Dia. | 0.9 mm (0.035in) |
| Wire Size/AWG | 28 - 20 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FG - Straight plug with oversize cable collet |
| Plug | Straight |
| Housing material | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system | Push-pull |
| Keying | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |

https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fgg-0t-303-clak50.html

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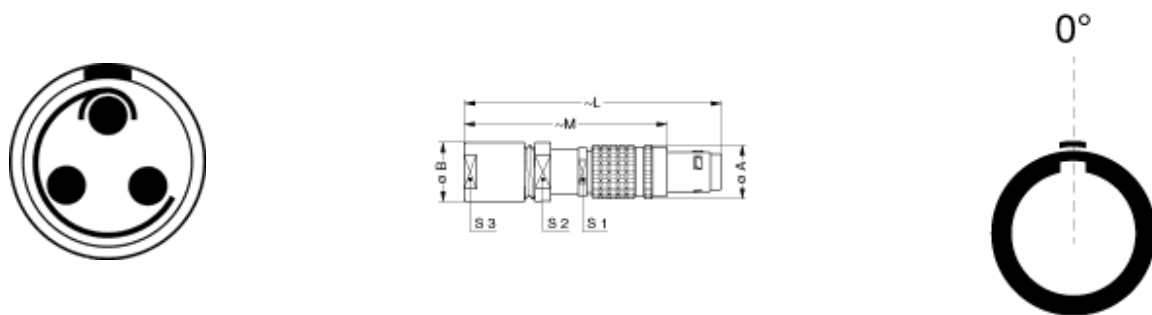
Environment

| | |
|-----------------------------------|---|
| Technical domain | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | IP68 |
| Endurance | >3000 mating cycles |
| Temperature range | -55°C / +200°C (max. temperature valid for short periods of use.) |
| Climatical Category | 50/175/21 |
| Humidity (max) | <=95% [at 60 deg C /140 F] |
| Resistance to vibration | 15 g [10 Hz - 2000 Hz] |
| Shock Resistance | 100 g [6 ms] |
| Salt Spray Corrosion | >1000 hr |

Cable fixation

| | |
|------------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm |

Drawings



Dimensions

| | A | L | M | S1 | S2 |
|-----|------|------|------|-----|------|
| mm. | 9.5 | 39 | 29 | 7.5 | 7 |
| in. | 0.37 | 1.54 | 1.14 | 0.3 | 0.28 |



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Recommended By Lemo

| Accessories | |
|----------------|--------------------------------|
| Compatible cap | BFG.0T.100.CAS |
| Tools | |
| Spanner | DCP.0T.110.TN |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|------------------|----------|--------|---|
| 130240 | PVC | Black |  |
| 3220 | PVC | Black |  |
| 60080 | PVC | Grey | |