

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

|                  |                                 |
|------------------|---------------------------------|
| Series           | 0M                              |
| Termination type | Female crimp                    |
| IP rating        | 68                              |
| AWG wire size    | 24.00 - 20.00                   |
| Cable Ø          | 4.00 - 8.00 mm                  |
| Status           | active                          |
| Matching parts   | <a href="#">FMP.0M.302.XLCT</a> |

### Download

[Request a quote](#)

[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------|
| Shell Style/Model | PE*: Fixed receptacle, nut fixing and mold stop                                                         |
| Keying            | 3 keys (beta=150, gamma=60, plug: male contacts, receptacle: female contacts)                           |
| Housing Material  | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
| Weight            | 7.23 g                                                                                                  |

### Performance

|               |                        |
|---------------|------------------------|
| Configuration | 0M.302 : 2 Low Voltage |
| Insulator     | L: PEEK                |
| Rated Current | 10 Amps                |

### Specifications

|                                               |
|-----------------------------------------------|
| Contact Type: Crimp                           |
| Contact Retention: 30 N                       |
| Contact Dia.: 0.9 mm (0.035in)                |
| Bucket Dia.: 1.1 mm (0.043in)                 |
| Min. Conductor: 0.25 mm <sup>2</sup> (AWG 24) |
| Max. Conductor: 0.5 mm <sup>2</sup> (AWG 20)  |
| R (max): 4.8 mOhm                             |
| Test voltage (kV rms) Contact-contact: 1.45   |

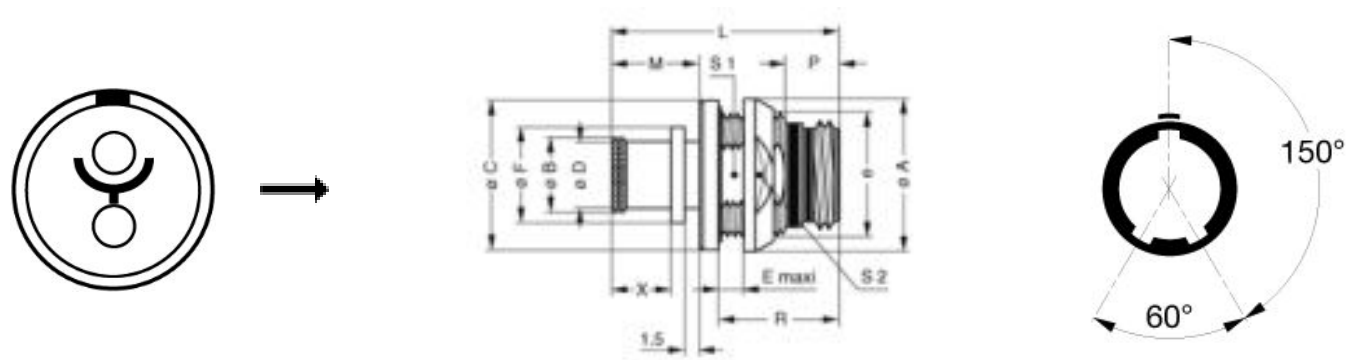
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Test voltage (kV rms) Contact-shell: 1

Others

- Endurance (Shell): 3000 mating cycles
- Temp (min / max): -20°C / +200°C
- Humidity (max): 21 days at 95%
- Gunfire vibration: 25 Hz - 2000 Hz, 3 axis (Apache helicopter)
- Vibration-Sine: 30 g, 3 axes, 12 hr [10 Hz - 2000 Hz]
- Vibration-Random: 37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz]
- Shock Resistance: 300 g [ 3 ms]
- Lighting strike EIA 364-75: 10K amps - 6 times
- Thermal shock: 5 cycles: -65°C to +150°C
- EMI Shielding EIA 364-66A: >= 80 dB (1 GHz), >=70 dB (3 GHz), >= 58 dB (6 GHz), >= 40 dB (10 GHz)
- Salt Spray Corrosion: max. 48 hr

DRAWINGS



Dimensions

|     | A    | B    | C    | D    | E    | Lr   | Ls   | M    | P    | R    | S1   | S2   | e        |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| mm. | 17   | 8.8  | 16.8 | 8    | 5    | 25.6 | 25.6 | 9.7  | 5.3  | 13.8 | 11.5 | 14   | M13x0.75 |
| in. | 0,67 | 0,35 | 0,66 | 0,31 | 0,20 | 1,01 | 1,01 | 0,38 | 0,21 | 0,54 | 0,45 | 0,55 |          |

RECOMMENDED BY LEMO

LEMO products and services are provided “as is”. LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## Tools

|                      |                                 |
|----------------------|---------------------------------|
| Crimp Tool:          | <a href="#">DPC.91.701.V</a>    |
| Crimp settings:      | AWG/Selector = 20-22-24/6-5-5   |
| Positionner:         | <a href="#">DCE.91.090.3MVM</a> |
| Extractor:           | <a href="#">DCF.93.090.4LT</a>  |
| Replacement contact: | EGN.0M.660.ZZM                  |
| Spanner wrench:      | <a href="#">DCM.65.000.4PA</a>  |

*LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.*