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# FAG.3K.302.CLA

## SUMMARY

### # Wires

| | |
|---|---|
| **Low voltage** | **2** |

*Image is for illustrative purpose only*

| | |
|---|---|
| **Series** | 3K |
| **Termination type** | Male solder |
| **IP rating** | 68 |
| **AWG wire size** | 18.00 - 10.00 |
| **Cable Ø** | 0.00 - 0.00 mm |
| **Status** | active |
| **Matching parts** | PHG.3K.302.CLLC10 |

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## TECHNICAL DETAILS

### Mechanics

| | |
|---|---|
| **Shell Style/Model** | FA*: Fixed plug, non-latching, nut fixing |
| **Keying** | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| **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 |
| **Weight** | 71.73 g |

### Performance

| | |
|---|---|
| **Configuration** | 3K.302 : 2 Low Voltage |
| **Insulator** | L: PEEK (UL 94 / V-0/1.5) |
| **Rated Current** | 35 Amps |

### Specifications

Contact Type: Solder
Contact Dia.: 3 mm (0.118in)
Bucket Dia.: 2.7 mm (0.106in)
Max. Solid Conductor: 4 mm^2 (AWG 10)
Max. Stranded Conductor: 4 mm^2 (AWG 12)
R (max): 3.1 mOhm
Vtest (contact-shell): 1500 V (AC), 2150 V (DC)
Vtest (contact-contact): 2100 V (AC), 2970 V (DC)

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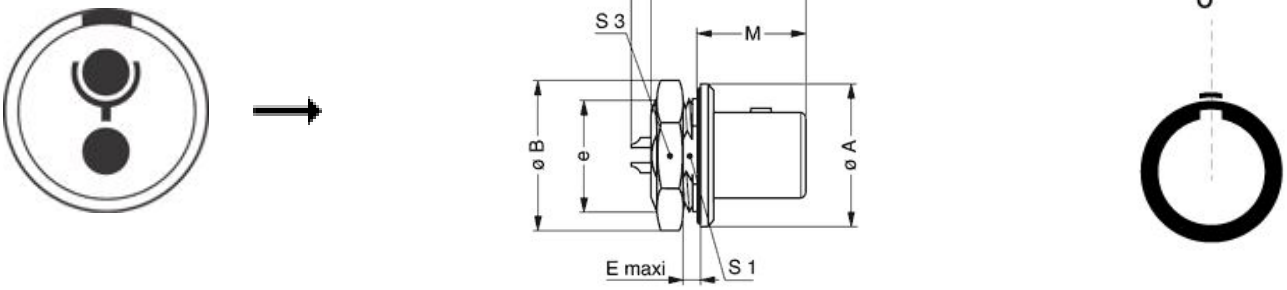
### Others

Endurance (Shell): 5000 mating cycles
Temp (min / max): -55°C / +200°C
Humidity (max): <=95% [at 60 deg C /140 F]
Vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [ 6 ms]
Climatical Category: 50/175/21
Shielding (min): 95 dB (10 MHz)
Shielding (min): 80 dB (1 GHz)
Salt Spray Corrosion: >1000 hr

## DRAWINGS




### Dimensions

| | A | B | E | L | M | N | S1 | S3 | e |
|---|---|---|---|---|---|---|---|---|---|
| mm. | 31 | 34.5 | 4 | 34.3 | 22.5 | 33.8 | 22.5 | 30 | M24x1.0 |
| in. | 1,22 | 1,36 | 0,16 | 1,35 | 0,89 | 1,33 | 0,89 | 1,18 | |

## RECOMMENDED BY LEMO

### Tools

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## Cables

| | | | |
|---|---|---|---|
| CMN.02.T12.078PGZE | | Grey |  |
| CMN.02.T12.078PNZE | | Black |  |
| CMN.02.T14.072PGZE | | Grey |  |
| CMN.02.T14.072PNZE | | Black |  |
| CMN.02.T14.072QGZE | TPR (medical) | Grey |  |
| CMN.02.T14.078PGZE | | Grey |  |
| CMN.02.T14.078PNZE | | |  |
| CMN.02.T18.064UNCU | | | |
| CMN.02.T20.047PGZE | | Grey |  |
| CMN.02.T20.047PNZE | | |  |
| CMN.02.T20.048QGZE | TPR (medical) | Grey |  |
| CMN.02.T28.030PGCE | PVC | GREY |  |
| CMN.02.T28.030PGZE | | Grey |  |
| CMN.02.T28.030PNCE | PVC | Black |  |
| CMN.02.T28.030PNZE | | |  |
| 102080 | PVC | Grey | |
| 120184 | PVC | Black |  |
| 120240 | PVC | Black | |
| 120250 | PVC | Grey |  |
| 120500 | PVC | Grey |  |
| 120501 | PVC | Grey |  |
| 120751 | PVC | Grey |  |
| 20140 | PVC | Grey |  |
| 20140 | PVC | Grey |  |
| 20141 | PVC | Grey | |
| 20142 | PVC | Red |  |
| 20143 | PVC | Green |  |
| 20144 | PVC | Black |  |
| 20145 | PVC | Yellow |  |
| 20146 | PVC | Black |  |
| 20240 | PTFE | White |  |
| 20260 | PVC | Black | |
| 20264 | PVC | Black |  |
| 20266 | PVC | Violet |  |
| 2050 | PVC | Black |  |
| 20550 | PUR | Black |  |

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| | | | |
|---|---|---|---|
| 20560 | PUR | White |  |
| 2080 | PVC | Grey | |
| 220151 | PVC | Grey |  |
| 220750 | PVC | Grey |  |
| 2221 | PVC | Black | |
| 2260 | PTFE | White |  |
| 2280 | PVC | Black | |
| 320150 | PVC | Grey |  |
| 4082 | PVC | Grey | |
| CCX.50.RG1.74U30B | TFE | White | |
| CMB.02.210.635 | PUR | Black | |

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