

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

| | |
|------------------|------------------------------------|
| Series | OK |
| Termination type | Male crimp |
| IP rating | 68 |
| AWG wire size | 24.00 - 20.00 |
| Cable Ø | 4.60 - 5.00 mm |
| Status | active |
| Alternative part | FGG.0K.303.CYCK50Z |
| Matching parts | EGG.0K.303.CYM |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief |
| 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 |
| Variant | Z : Nut for fitting a bend relief |
| Weight | 13.17 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | OK.303 : 3 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 8 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 ² (AWG 24) |
| Max. Conductor: | 0.5 mm ² (AWG 20) |

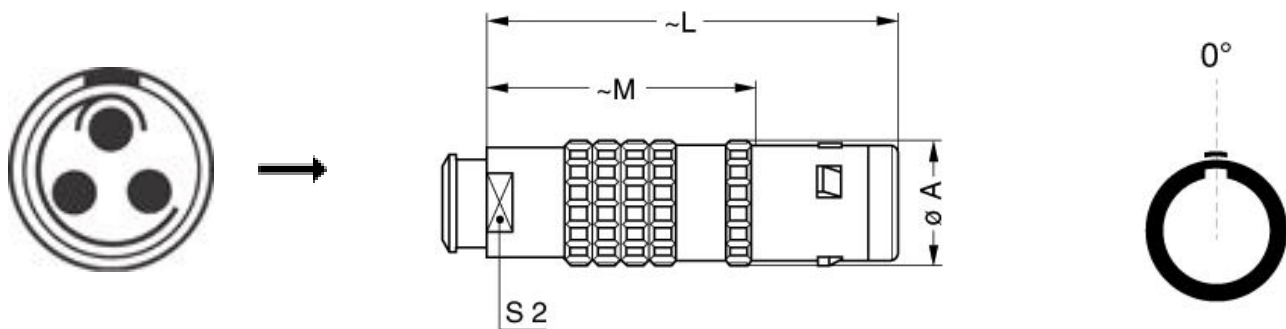
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R (max): 4.8 mOhm
 Vtest (contact-shell): 1600 V (AC), 2300 V (DC)
 Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

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 | L | M | S2 |
|-----|------|------|------|------|
| mm. | 11 | 34 | 23 | 7 |
| in. | 0,43 | 1,34 | 0,91 | 0,28 |

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Tools

| | |
|----------------------|----------------------------------|
| Crimp Tool: | DPC.91.701.V |
| Crimp settings: | AWG/Selector = 20-22-24/6-5-5 |
| Positionner: | DCE.91.070.BVC |
| Extractor: | DCF.91.090.2LT |
| Replacement contact: | FGG.0B.560.ZZC |
| Spanner wrench: | DCD.0E.007.PA070 |
| Caps: | BFG.0K.100.NAS |

Cables

| | | | |
|--------------------|-----|-------|---|
| CMN.03.T20.049PGZE | | Grey |  |
| CMN.03.T20.049PNZE | | |  |
| 130240 | PVC | Black |  |
| 3220 | PVC | Black |  |
| 60080 | PVC | Grey | |

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