

SUMMARY

Wires

| | |
|---------|---|
| Low | 5 |
| High | 0 |
| Coax | 0 |
| Triax | 0 |
| Quad | 0 |
| Fiber | 0 |
| Fluidic | 0 |



Image is for illustrative purpose only

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| | |
|------------------|----------------|
| Series | 3K |
| Termination type | Male crimp |
| IP rating | 68 |
| Cable Ø | 7.60 - 8.00 mm |
| Matching parts | EGG.3K.305.CYM |
| Status | |
| Alternative part | |

TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet |
| Keying | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Housing Material | Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Cable Fixing | C80: 7.6 - 8 mm |
| Variant | |

Performance

| | |
|---------------|----------------------------|
| Configuration | 3K.305 : 5 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 19 Amps |

Specifications

| |
|--|
| Contact Type: Crimp |
| Max. Matings: 5000 |
| Contact Retention: 50 N |
| Contact Dia.: 1.6 mm (0.063in) |
| Bucket Dia.: 1.9 mm (0.075in) |
| Min. Conductor: 1 mm ² (AWG 18) |

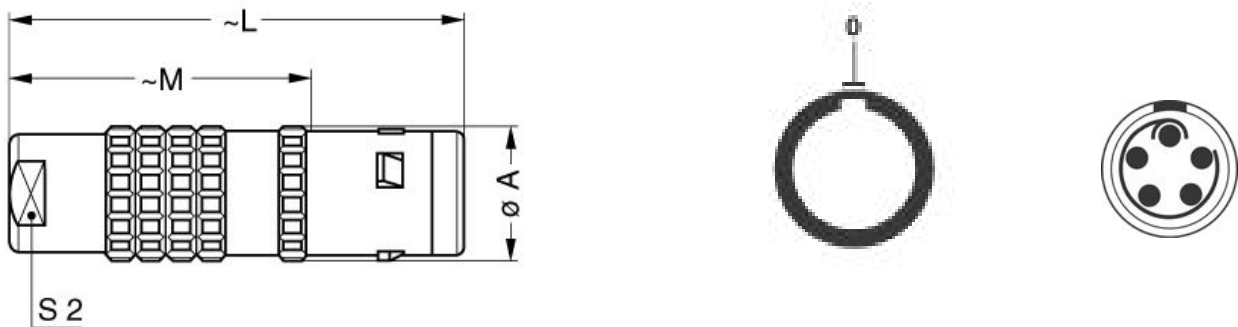
Max. Conductor: 1.5 mm² (AWG 14)
 R (max): 3.5 mOhm
 Vtest (contact-shell): 1750 V (AC), 2500 V (DC)
 Vtest (contact-contact): 2400 V (AC), 3390 V (DC)

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]
 Salt Spray Corrosion: >1000 hr
 Climatological Category: 50/175/21
 Shielding (min): 95 dB (10 MHz)
 Shielding (min): 80 dB (1 GHz)
 IP Rating: 68

DRAWINGS

Draws



Dimensions

| | A | L | M | S2 |
|-----|------|------|------|------|
| mm. | 19 | 61 | 41 | 15 |
| in. | 0,75 | 2,40 | 1,61 | 0,59 |

RECOMMENDED BY LEMO

Tools

Crimp Tool: DPC.91.101.A

Crimp settings: AWG/Selector = 14-16-18/7-6-5
Positionner: DCE.91.163.BVCM
Extractor: DCF.91.163.5LT
Replacement contact: FGG.3B.570.ZZC
Spanner wrench: DCD.3E.030.PA150
Caps: BFG.3K.100.NAS

Cables