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## **SUMMARY**

#### # Wires

Low voltage 30



Image is for illustrative purpose only

Series 3B

**Termination type** Male crimp

IP rating 50

AWG wire size 26.00 - 22.00 Cable Ø 0.00 - 0.00 mm

Status active

Matching parts FGK.3B.330.CYMD10Z

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## **TECHNICAL DETAILS**

#### **Mechanics**

Shell Style/Model EE\*: Fixed receptacle, nut fixing (back panel mounting)

**Keying** 2 keys (alpha=52.5, plug: female contacts, receptacle: male 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 25.08 g

#### **Performance**

Configuration 3B.330: 30 Low Voltage

Insulator Y: PEEK for crimp contacts

Rated Current 3.5 Amps

## **Specifications**

Contact Type: Crimp Contact Retention: 22 N Contact Dia.: 0.7 mm (0.028in) Bucket Dia.: 0.8 mm (0.031in)

Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26) Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)

R (max): 6.1 mOhm

Vtest (contact-shell): 1200 V (AC), 1700 V (DC)

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Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

#### **Others**

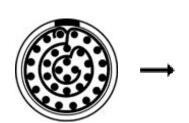
Endurance (Shell): 5000

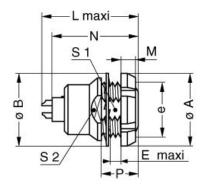
Temp (min / max): -55°C / +250°C

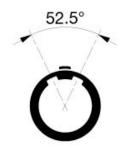
Humidity (max): <=95% [at 60 deg C /140 F]

Vibration: 15 g [10 Hz - 2000 Hz] Shock Resistance: 100 g [ 6 ms] Climatical Category: 50/175/21 Shielding (min): 75 dB (10 MHz) Shielding (min): 40 dB (1 GHz) Salt Spray Corrosion: >1000 hr

# **DRAWINGS**







### **Dimensions**

|     | А    | В    | E    | L    | М    | N    | Р    | <b>S</b> 1 | S2   | e       |
|-----|------|------|------|------|------|------|------|------------|------|---------|
| mm. | 24   | 25   | 6.1  | 30.7 | 4.5  | 28.1 | 12   | 16.5       | 20   | M18x1.0 |
| in. | 0,94 | 0,98 | 0,24 | 1,21 | 0,18 | 1,11 | 0,47 | 0,65       | 0,79 |         |

# **RECOMMENDED BY LEMO**

### **Tools**

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Crimp Tool: DPC.91.701.V

Crimp settings: AWG/Selector = 22-24-26/6-5-5

Positionner: <a href="DCE.91.073.BVC">DCE.91.073.BVC</a>
Extractor: <a href="DCC.07.04B.LAG">DCC.07.04B.LAG</a>
Replacement contact: FGG.3B.555.ZZC

Spanner wrench: Socket for torque wrench DCM.65.200.AZ

## **Cables**

| CMN.30.T22.087PGCE | PVC | GREY  | <b>&gt;====</b> |
|--------------------|-----|-------|-----------------|
| CMN.30.T22.087PGZE |     | Grey  | <b>&gt;</b>     |
| CMN.30.T22.087PNCE | PVC | Black |                 |
| CMN.30.T22.087PNZE |     |       |                 |
| 330240             | PVC | Black | - Marie Land    |
| 330260             | PVC | Black | - Marie Land    |
| 430250             | PVC | Grey  |                 |

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