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## **SUMMARY**

#### # Wires

Low voltage 5



Image is for illustrative purpose only

Series 1B

**Termination type** Female crimp

IP rating 50

AWG wire size 24.00 - 20.00 Cable Ø 2.30 - 7.60 mm

**Status** active

Matching parts FGG.1B.305.CYCD62Z

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## **TECHNICAL DETAILS**

#### Mechanics

**Shell Style/Model** EG\*: Fixed receptacle, nut fixing

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

Weight 10.07 g

#### **Performance**

Configuration 1B.305 : 5 Low Voltage

Insulator Y: PEEK for crimp contacts

Rated Current 9 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

Vtest (contact-shell): 1550 V (AC), 2200 V (DC) Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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#### **Others**

Endurance (Shell): 5000

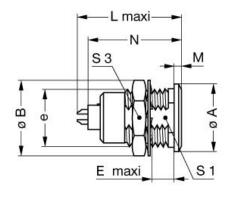
Temp (min / max): -55°C / +250°C

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**

#### **Draws**







#### **Dimensions**

	А	В	E	L	М	N	<b>S</b> 1	<b>S</b> 3	e
mm.	14	16	7.5	23	1.5	21.1	10.5	14	M12x1.0
in.	0.55	0.63	0.30	0.91	0.06	0.83	0.41	0.55	

# **RECOMMENDED BY LEMO**

## Tools

Crimp Tool: DPC.91.701.V

Crimp settings: AWG/Selector = 20-22-24/6-5-5

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Positionner: <a href="DCE.91.091.BVM">DCE.91.091.BVM</a>
Extractor: <a href="DCF.91.090.2LT">DCF.91.090.2LT</a>
Replacement contact: <a href="EGG.1B.660.ZZM">EGG.1B.660.ZZM</a>

## **Cables**

CMN.05.T22.051PGCE	PVC	GREY	>===
CMN.05.T20.057PGCE	PVC	GREY	
CMN.05.T22.051PNCE	PVC	Black	<b>&gt;</b>
CMN.05.T22.051QGZE	TPR (medical)	Grey	<b>&gt;</b> ——€
CMN.05.T28.029PGCE	PVC	GREY	
CMN.05.T20.057PGZE		Grey	<b>&gt;</b> ——€
CMN.05.T20.057PNCE	PVC	Black	<b>&gt;===</b>
CMN.05.T20.057PNZE			>€
CMN.05.T20.057QGZE	TPR (medical)	Grey	>€
CMN.05.T22.051PGZE		Grey	>€
CMN.05.T22.051PNZE			>€
CMN.05.T28.029PGZE		Grey	>€
CMN.05.T28.029PNCE	PVC	Black	
CMN.05.T28.029PNZE			>€
005 050	PVC	Black	
050 090	PVC	Black	
050 140	PVC	Grey	
150 250	PVC	Grey	>====
250 500	PVC	Grey	

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