

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

Series	3K
Termination type	Female crimp
IP rating	68
AWG wire size	20.00 - 18.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	FGG.3K.310.CYCC10Z

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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 [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Weight	70.24 g

Performance

Configuration	3K.310 : 10 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	12 Amps

Specifications

Contact Type: Crimp
Contact Retention: 40 N
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1.4 mm (0.055in)
Min. Conductor: 0.5 mm² (AWG 20)
Max. Conductor: 1 mm² (AWG 18)
R (max): 3.6 mOhm
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)

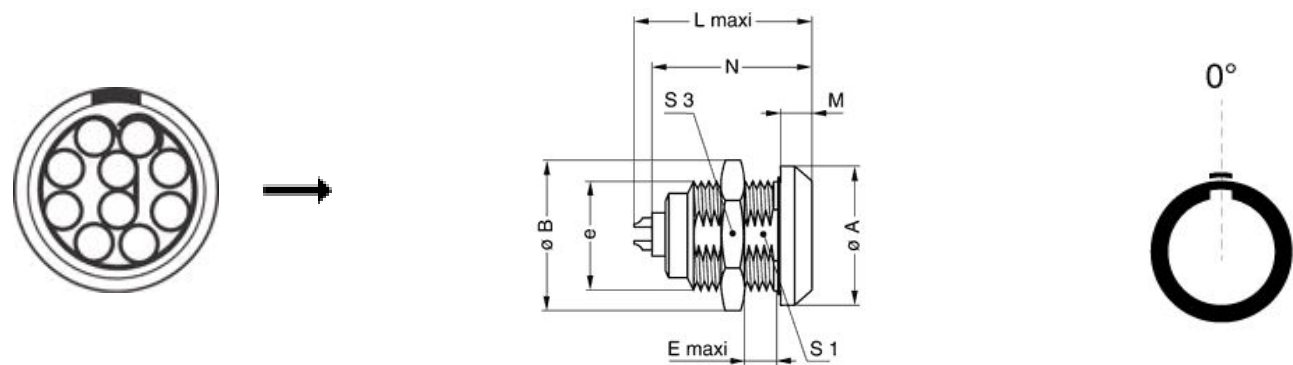
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Vtest (contact-contact): 1500 V (AC), 2150 V (DC)

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	B	E	L	M	N	S1	S3	e
mm.	31	34.5	11	36.2	6	33.6	22.5	30	M24x1.0
in.	1,22	1,36	0,43	1,43	0,24	1,32	0,89	1,18	

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.701.V](#)

Crimp settings: AWG/Selector = 18-20-22/5-4-3

Positionner: [DCE.91.133.BVM](#)

Extractor: [DCF.91.133.5LT](#)

Replacement contact: EGG.3B.665.ZZM

Cables

CMN.10.T20.080PGZE		Grey	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	
CMN.10.T22.068QGZE	TPR (medical)	Grey	
CMN.10.T28.052PGZE		Grey	
CMN.10.T28.052PNZE			
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110220	PVC	Black	
110240	PTFE	White	
110260	PTFE	White	
110280	PVC	Black	
210140	PVC	Grey	
210240	PVC	Black	
210250	PVC	Grey	
210260	PVC	Black	

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