

## SUMMARY

### # Wires

Low voltage	3
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*Image is for illustrative purpose only*

Series	3K
Termination type	Female solder
IP rating	68
AWG wire size	22.00 - 14.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FGG.3K.303.CLAC10</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EB*: Fixed receptacle with square flange and 4 screw 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	50.08 g

### Performance

Configuration	3K.303 : 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	25 Amps

### Specifications

Contact Type:	Solder
Contact Dia.:	2 mm (0.079in)
Bucket Dia.:	1.8 mm (0.071in)
Max. Solid Conductor:	1.5 mm <sup>2</sup> (AWG 14)
Max. Stranded Conductor:	1.5 mm <sup>2</sup> (AWG 16)
R (max):	3.3 mOhm
Vtest (contact-shell):	1500 V (AC), 2150 V (DC)
Vtest (contact-contact):	1900 V (AC), 2700 V (DC)

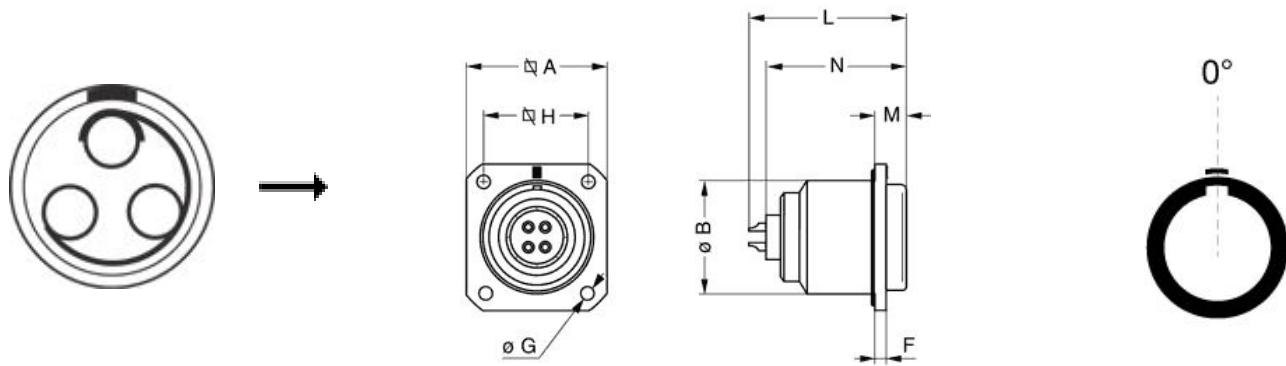
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## Others

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

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## DRAWINGS



## Dimensions

	A	B	F	G	H	L	M	N
mm.	29	23	3	3.4	23	36.2	6	32.6
in.	1,14	0,91	0,12	0,13	0,91	1,43	0,24	1,28

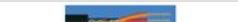
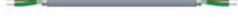
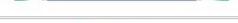
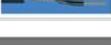
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## RECOMMENDED BY LEMO

### Tools

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## Cables

CMN.03.T14.078PGCE			
CMN.03.T18.055PGZE		Grey	
CMN.03.T18.055PNZE			
CMN.03.T18.055QGZE	TPR (medical)	Grey	
CMN.03.T20.049PGZE		Grey	
CMN.03.T20.049PNZE			
CMN.03.T28.031PGCE	PVC	GREY	
CMN.03.T28.031PGZE		Grey	
CMN.03.T28.031PNCE	PVC	Black	
CMN.03.T28.031PNZE			
130240	PVC	Black	
130250	PVC	Grey	
230500	PVC	Grey	
230750	PVC	Grey	
30110	PVC	Grey	
30141	PVC	Grey	
30260	PVC	Black	
3041	PVC	Grey	
3050	PVC	Black	
3081	PVC	Black	
3220	PVC	Black	
3280	PVC	Black	
330150	PVC	Grey	
60080	PVC	Grey	

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