

## SUMMARY

### # Wires

Low voltage	3
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*Image is for illustrative purpose only*

Series	3B
Termination type	Male solder
IP rating	50
AWG wire size	22.00 - 14.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">PHG.3B.303.CLLD10Z</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FA*: Fixed plug, non-latching, 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	34.45 g

### Performance

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

### Specifications

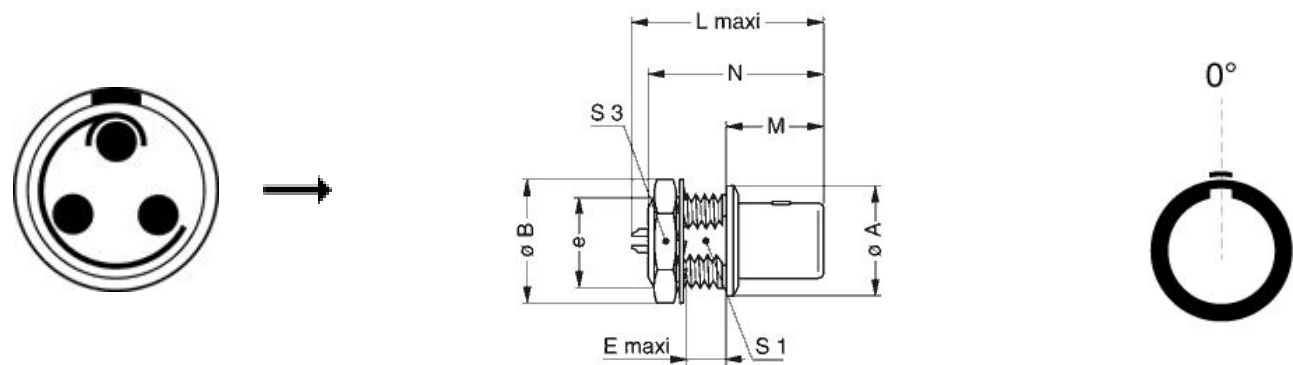
Contact Type: Solder  
Contact Dia.: 2 mm (0.079in)  
Bucket Dia.: 1.8 mm (0.071in)  
Max. Solid Conductor: 1.5 mm<sup>2</sup> (AWG 14)  
Max. Stranded Conductor: 1.5 mm<sup>2</sup> (AWG 16)  
R (max): 3.3 mOhm  
Vtest (contact-shell): 1500 V (AC), 2120 V (DC)  
Vtest (contact-contact): 1900 V (AC), 2700 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



Dimensions























	A	B	E	L	M	N	S1	S3	e
mm.	22	25.2	5.8	32.1	17	30.2	16.5	22	M18x1.0
in.	0,87	0,99	0,23	1,26	0,67	1,19	0,65	0,87	

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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