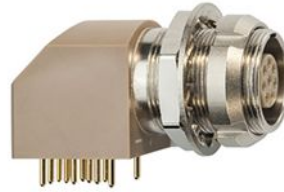


## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series	1B
Termination type	Male print PCB
IP rating	50
AWG wire size	28.00 - 20.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FGJ.1B.302.CLLD42Z</a>

### Download

[Request a quote](#)  
[PCB Eagle Pattern](#)  
[PCB Altium Pattern](#)  
[PCB KiCad Pattern](#)  
[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EX*: Elbow receptacle for printed circuit with two nuts (solder or screw fixing, back panel mounting)
Keying	2 keys (gamma=45, plug: female contacts, receptacle: male contacts)
Housing Material	PPS (Polyphenylene) shell, other pieces nickel plated [SAE AMS QQ N 290] brass
Weight	13.39 g

### Performance

Configuration	1B.302/EXG : 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	4.5 Amps

### Specifications

Contact Type: Print (straight)  
Test voltage contact-contact : 1.7 kV rms  
Test voltage contact-body shell : 1.45 kV rms

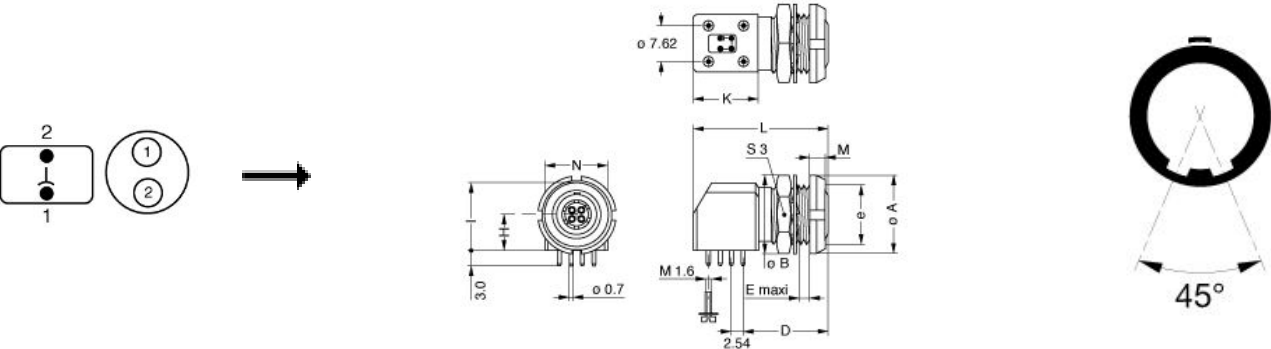
### Others

Endurance (Shell): 5000  
Temp (min / max): -55°C / +250°C

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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: >144 hr

# DRAWINGS



## Dimensions

	A	B	D	E	H	I	K	L	M	N	S3	e
mm.	14	15	16.6	7.5	7.5	14	13.3	27	3.5	12.6	13	M11x0.5
in.	0,55	0,59	0,65	0,30	0,30	0,55	0,52	1,06	0,14	0,50	0,51	

# RECOMMENDED BY LEMO

## Tools

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