

## SUMMARY

### # Wires

Low voltage	18
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*Image is for illustrative purpose only*

Series	2B
Termination type	Female solder
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FGY.2B.318.PLAD82B</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	ENY*: Fixed receptacle with grounding tab, nut fixing, PSU or PPSU outer shell
Keying	3 keys (beta=112.5, gamma=100, plug: male contacts, receptacle: female contacts)
Housing Material	PSU (Polysulfone) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Weight	9.75 g

### Performance

Configuration	2B.318 : 18 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	5.5 Amps

### Specifications

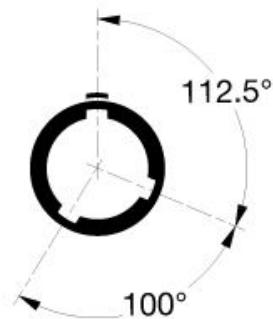
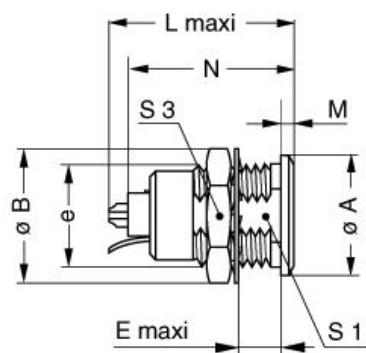
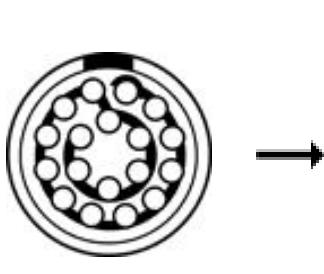
Contact Type:	Solder
Contact Dia.:	0.7 mm (0.028in)
Bucket Dia.:	0.8 mm (0.031in)
Max. Solid Conductor:	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor:	0.34 mm <sup>2</sup> (AWG 22)
R (max):	6.1 mOhm
Vtest (contact-shell):	1200 V (AC), 1700 V (DC)
Vtest (contact-contact):	850 V (AC), 1200 V (DC)

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## Others

Endurance (Shell): 5000  
Temp (min / max): -50°C / +150°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)

## DRAWINGS



## Dimensions

	A	B	E	L	M	N	S1	S3	e
mm.	18	19.5	8.5	26.7	1.8	24.6	13.5	17	M15x1.0
in.	0,71	0,77	0,33	1,05	0,07	0,97	0,53	0,67	

## RECOMMENDED BY LEMO

### Tools

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## Cables

CMN.18.T30.048QGZE	TPR (medical)	Grey	
218220	PVC	Black	
218240	PVC	Black	
218260	PVC	Black	
236080	PVC	Grey	
318250	PVC	Grey	

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