

SUMMARY

Wires

Low voltage 16



Image is for illustrative purpose only

Series	1B
Termination type	Male solder
IP rating	50
AWG wire size	34.00 - 28.00
Cable Ø	5.30 - 6.20 mm
Status	obsolete
Alternative part	FPG.1B.316.CLAD62Z
Matching parts	EGG.1B.316.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FH*: Elbow plug, cable collet and nut for fitting a bend relief
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
Variant	Z : Nut for fitting a bend relief
Weight	23.74 g

Performance

Configuration	1B.316 : 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	1.5 Amps

Specifications

Contact Type: Solder
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Max. Solid Conductor: 0.09 mm² (AWG 28)
Max. Stranded Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm

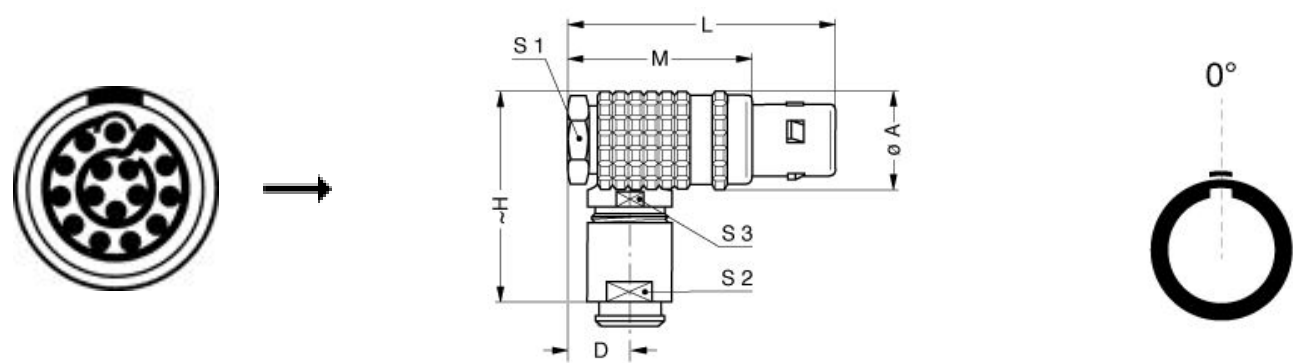
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Vtest (contact-shell): 1250 V (AC), 1770 V (DC)
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

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	D	H	L	M	S1	S2	S3
mm.	13.5	8	28.1	36	25	11	9	10
in.	0,53	0,31	1,11	1,42	0,98	0,43	0,35	0,39


RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.1B.015.PA090](#)

Cables

CMN.16.T28.059PGZE		Grey	
CMN.16.T28.059PNZE			
116080	PUR	Black	

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