

SUMMARY

Wires

Low voltage 16



Image is for illustrative purpose only

Series	3B
Termination type	Female crimp
IP rating	50
AWG wire size	24.00 - 20.00
Cable Ø	9.90 - 11.00 mm
Status	active
Alternative part	PHG.3B.316.CYMD12
Matching parts	FGG.3B.316.CYCD11

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PH*: Free receptacle, cable collet
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	57.55 g

Performance

Configuration	3B.316 : 16 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	8 Amps

Specifications

Contact Type: Crimp
 Contact Retention: 30 N
 Contact Dia.: 0.9 mm (0.035in)
 Bucket Dia.: 1.1 mm (0.043in)
 Min. Conductor: 0.25 mm² (AWG 24)
 Max. Conductor: 0.5 mm² (AWG 20)
 R (max): 4.8 mOhm
 Vtest (contact-shell): 1500 V (AC), 2120 V (DC)

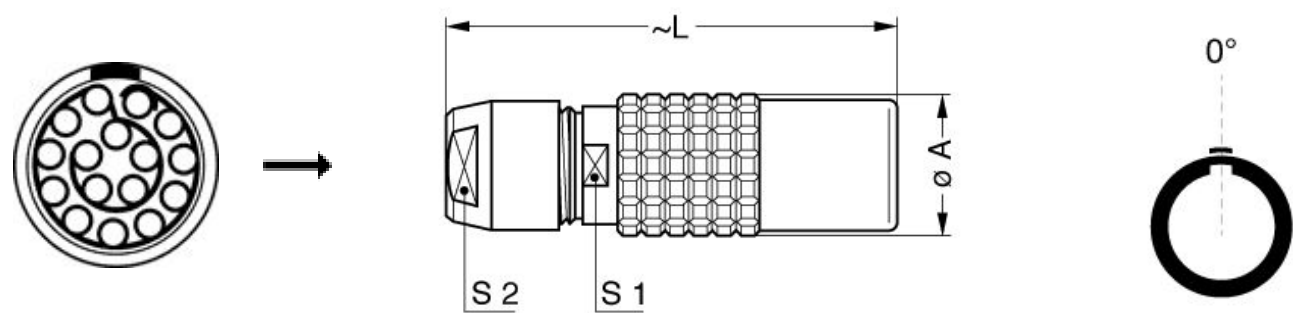
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Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

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	L	S1	S2
mm.	19	56	15	14
in.	0,75	2,20	0,59	0,55

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	DCE.91.093.BVM
Extractor:	DCF.91.093.5LT
Replacement contact:	EGG.3B.660.ZZM
Spanner wrench:	DCD.3B.040.PA140

Cables

416500	PVC	Grey	
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