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SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series 1B

Termination type Female crimp

IP rating 50

AWG wire size 20.00 - 18.00 Cable Ø 2.30 - 7.60 mm

Status active

Matching parts FGG.1B.302.CYCD42

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TECHNICAL DETAILS

Mechanics

Shell Style/Model EG*: Fixed receptacle, 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 9.89 g

Performance

Configuration 1B.302: 2 Low Voltage

Insulator Y: PEEK for crimp contacts

Rated Current 15 Amps

Specifications

Contact Type: Crimp Contact Retention: 40 N

Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1.4 mm (0.055in)
Min. Conductor: 0.5 mm^2 (AWG 20)
Max. Conductor: 1 mm^2 (AWG 18)

R (max): 3.6 mOhm

Vtest (contact-shell): 1450 V (AC), 2100 V (DC)

Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

Others

Endurance (Shell): 5000

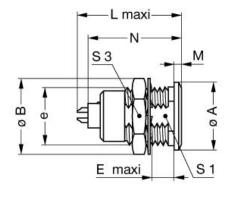
Temp (min / max): -55°C / +250°C

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

Draws







Dimensions

	А	В	E	L	М	N	S1	S3	е
mm.	14	16	7.5	23	1.5	21.1	10.5	14	M12x1.0
in.	0,55	0,63	0,30	0,91	0,06	0,83	0,41	0,55	

RECOMMENDED BY LEMO

Tools

Crimp Tool: <u>DPC.91.701.V</u>

Crimp settings: AWG/Selector = 18-20/8-7

Positionner: DCE.91.131.BVM
Extractor: DCF.91.131.2LT
Replacement contact: EGG.1B.665.ZZM

Cables

CMN.02.T18.064UNCU			
CMN.02.T20.047PGZE		Grey	-
CMN.02.T20.047PNZE			
CMN.02.T20.048QGZE	TPR (medical)	Grey	-
CMN.02.T28.030PGCE	PVC	GREY	-
CMN.02.T28.030PGZE		Grey	-
CMN.02.T28.030PNCE	PVC	Black	-
CMN.02.T28.030PNZE			
102080	PVC	Grey	
120184	PVC	Black	>4
120240	PVC	Black	
120250	PVC	Grey	-
120500	PVC	Grey	-
120501	PVC	Grey	-
120751	PVC	Grey	-
20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	=======================================
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
2050	PVC	Black	-
20550	PUR	Black	-
20560	PUR	White	-
2080	PVC	Grey	

220750	PVC	Grey	~
2221	PVC	Black	
2260	PTFE	White	======
2280	PVC	Black	

4082	PVC	Grey	
CCX.50.RG1.74U30B	TFE	White	
CMB.02.210.635	PUR	Black	

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LEMO:

EGG.1B.302.CYM