

SUMMARY

Wires

Low voltage 3


Image is for illustrative purpose only

Series	1K
Termination type	Female crimp
IP rating	68
AWG wire size	20.00 - 18.00
Cable Ø	4.10 - 4.50 mm
Status	active

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PE*: Fixed receptacle, nut fixing, cable collet (back panel mounting)
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

Performance

Configuration	1K.303 : 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	12 Amps

Specifications

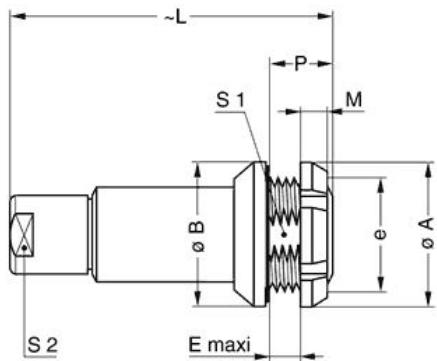
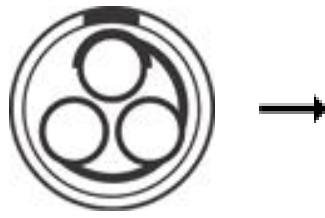
Contact Type:	Crimp
Contact Retention:	40 N
Contact Dia.:	1.3 mm (0.051in)
Bucket Dia.:	1.4 mm (0.055in)
Min. Conductor:	0.5 mm ² (AWG 20)
Max. Conductor:	1 mm ² (AWG 18)
R (max):	3.6 mOhm
Vtest (contact-shell):	1850 V (AC), 2600 V (DC)
Vtest (contact-contact):	1600 V (AC), 2250 V (DC)

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Others

Endurance (Shell): 5000 mating cycles
Temp (min / max): -55°C / +200°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): 95 dB (10 MHz)
Shielding (min): 80 dB (1 GHz)
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

	A	B	E	L	M	P	S1	S2	e
mm.	20	20	6.5	45	3.5	10	14.5	9	M16x1.0
in.	0,79	0,79	0,26	1,77	0,14	0,39	0,57	0,35	

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)

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

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Positionner: [DCE.91.131.BVM](#)
Extractor: [DCF.91.131.2LT](#)
Replacement contact: EGG.1B.665.ZZM
Spanner wrench: [DCD.1E.008.PA090](#)

Cables

130250	PVC	Grey	
30260	PVC	Black	
3280	PVC	Black	

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