

Standard



*Image for illustrative purpose only*

## Summary

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BKT series

Number of contacts Low Voltage	18
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Fixed
Locking system	Snap-on
Panel Drill Hole	M18
Size	3B
Series	B - Indoor keyed

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	3B.318 - 18 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest (contact-contact)	1.7 kV (DC)
Vtest (contact-shell)	1.5 kV (DC)
Max. Solid Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FA - Fixed plug, non-latching, nut fixing
Plug	Fixed
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
Locking system	Snap-on
Keying	A: 2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Panel Drill Hole	M18

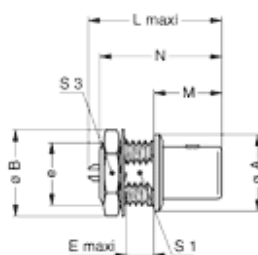
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## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

## Drawings








## Dimensions

	A	B	e	E	L	M	N	S1	S3
mm.	22	25.2	M18x1.0	5.8	32.1	17	30.2	16.5	22
in.	0.87	0.99		0.23	1.26	0.67	1.19	0.65	0.87

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# Cables

Cable PartNumber	Material	Colour	Cable image
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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