FGG.1T.512.CTAC45

Special



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Summary

Request a quote

High speed data transfer

Customer Drawing

Number of contacts Low Voltage	4
Protocol	1000 Base-T1 (1Gb/s)
Wire Size/AWG	30 - 26
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.10 - 4.50 mm
Size	1T
Series	T - Small Outdoor keyed

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Technical details

Electrical Configuration	
Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
Insert configuration value	1T.512 - 2x SPE - 4 High Speed, Low Voltage (1000BASE-T1 (IEEE 802.3bp)) + 3 Ground contacts
Insulator	T: PTFE
Rated current	3 A
Test voltage contact-contact	1.5 kV DC
Number of differential pairs (High speed)	2
Protocol	1000 Base-T1 (1Gb/s)
Wire Size/AWG	30 - 26
Gender	Standard
Important recommendation	Up to 10 Gb/s per twisted pair when used individually (not simultaneously)

Form & Material	
Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
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	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	18.74 g

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Environment	
Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	>3000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr
Cable fixation	
Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.10 - 4.50 mm

Recommended By Lemo

Caps	
Compatible cap	BFG.1T.100.CAS
Soft Cap	BFZ.1T.100.SCN
Tools	
Spanner	DCP.0T.110.TN

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