



Push Pull S Series Self-locking Connector Plug Straight Cable Mount

Part Number:

FAA.CTA



Basic Information

Connector Type	Plug
Contacts	1 Pin, 10 Pin, 12 Pin, 14 Pin, 16 Pin, 18 Pin, 2 Pin, 3 Pin, 4 Pin, 5 Pin, 6 Pin, 7 Pin, 8 Pin, 9 Pin
Mounting Type	Cable Mount
Orientation	Straight
Product Series	00, 0S, 1S, 2S

Environmental Specification	
Vibration Resistance	10-2000Hz.15g
Disinfection Resistance	-20 times(PSU), >100 times (PPSU), >200 times (PEEK)
Env Experiment	20 / 80 / 21
Environmental Experiment	50 / 175 / 21
Humidity Resistance	Up to 95% at 60 °C
Impact Resistance	100g 6ms
Ingress Protection	IP50
Leakage Rate	< 10-7mbar. L.s-1
Corrosion Resistance	> 144h
Shielding Effect	> 80 dB at 1GHz, > 95 dB at 10MHz
Solvent Corrosion Resis	Average (PSU), Good (PPSU), Very Good (PEEK)
Temp Range	- 20 °C\, + 100 °C(00 to 1b), - 20 °C\, + 80 °C(2b to 5b)
Temperature Range Meta	-55°C ~ +250°C
Temperature Range Plastic	-55°C ~ +150°C (PSU), -55°C ~ +180°C (PPSU), -55°C ~ +250°C (PEEK)

Material Specification	
Shell Material	Copper Alloy

Mechanical Specification	
Durability	> 5000 times

Contact Layout

Number of LV contacts		Suber contacts		Clamp contacts		Series		Reference		Standard		Voltage	
													
													

The diagram illustrates the configuration of a cable assembly through four components: Plug, Free socket, Fixed socket, and Coupler. Each component is represented by a sequence of characters in boxes, with lines connecting specific characters to callouts for further information.

Plug: F F A . 1 S . 3 0 4 . C L A C 3 2

Free socket: P C A . 1 S . 3 0 4 . C L L C 3 2 Z

Fixed socket: E R A . 1 S . 3 0 4 . C L L

Coupler: R A D . 1 S . 3 0 4 . C L L

Callouts and their corresponding characters:

- Variant: (page 121) - Points to the 'A' in the Plug and the 'Z' in the Free socket.
- Cable σ : (page 115) - Points to the '3' in the Plug and the '3' in the Free socket.
- Collet type: (page 115) - Points to the 'C' in the Plug and the 'C' in the Free socket.
- Model: (page 76) - Points to the 'F' in the Plug and the 'P' in the Free socket.
- Series: (page 76) - Points to the 'A' in the Plug and the 'A' in the Free socket.
- Insert configuration: (p. 103) - Points to the '1' in the Plug and the '1' in the Free socket.
- Contact: (page 112) - Points to the 'C' in the Plug and the 'C' in the Free socket.
- Insulator: (page 112) - Points to the 'L' in the Plug and the 'L' in the Free socket.
- Housing: (page 112) - Points to the 'L' in the Plug and the 'L' in the Free socket.

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.