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Accessories – Screwlocks

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Features

Screwlocks

- Screwlocks are designed to retain the same size mated connectors together or to secure the connector to a rack/panel. Screwlocks may be used on plugs or sockets.
- Female screwlocks consists of one #4-40 hole in the top, two flat washers to accommodate different panel thicknesses, one lockwasher, and one #4-40 nut. Military female screwlocks include three flat washers.
- Male screwlocks consist of one #4-40 slotted screw and a spring tension clip. Different sizes accommodate the various connector flange sizes and types of backshells or hoods (if applicable).
- Two screwlocks are required per connector.
- Military screwlocks meet all requirements of MIL-C-24308.

Materials

Commercial Screwlock Assemblies

- Male Screwlock Assembly: Clip and screw are steel with zinc plating and yellow chromate finish – RoHS parts have clear chromate in place of yellow chromate.
- Female Screwlock Assembly: Washers (2), lockwashers, hex nuts, and nuts are steel with zinc plating and yellow chromate finish. RoHS parts have clear chromate finish.

M24308 Military Screwlock Assemblies

- Male Screwlock Assembly: Clip and screw are steel with cadmium plating and yellow chromate finish.
- Female Screwlock Assembly: Washers (3), lockwashers, hex nuts, and nuts are steel with cadmium plating and yellow chromate finish.

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Part Numbers

Male Screwlocks – Ordering Information

Shell Size		A		B		E	A	B	C	D
Positions		in	mm	in	mm	9	15	25	37	50
COMMERCIAL	RoHS Version									
D20419-0	D20419-40	0.250	6.35	0.033	0.84	P/S	P/S	S	S	
D20419-16	D20419-46	0.250	6.35	0.048	1.22	S*	S*	P/S*	P/S*	
D20419-21	N/A	0.281	7.13	0.059	1.50		P*	P*		
D20420-0	N/A	0.250	6.35	0.033	0.84					S
D20420-12	D20420-42	0.281	7.13	0.048	1.22					P/S*
D20420-15	N/A	0.281	7.13	0.059						P*

MILITARY MIL-C-24308									
M24308/25-9F	Per MIL Spec					P/S	P/S	P/S	P/S
M24308/25-10F	Per MIL Spec								P/S

Note: P=Plug, S=Socket *Indicates used with Junction shell

Female Screwlocks – Ordering Information

Shell Size		A		E	A	B	C	D
Positions		in	mm	9	15	25	37	50
COMMERCIAL	RoHS Version							
D20418-2	D20418-42	0.312	7.92	P/S	P/S	P/S	P/S	P/S
D20418-39	N/A	0.628	15.95	P/S	P/S	P/S	P/S	P/S
MILITARY MIL-C-24308								
M24308/26-1F	Per MIL Spec			P/S	P/S	P/S	P/S	P/S
M24308/26-2F	Per MIL Spec			P/S	P/S	P/S	P/S	P/S

Note: P=Plug, S=Socket

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