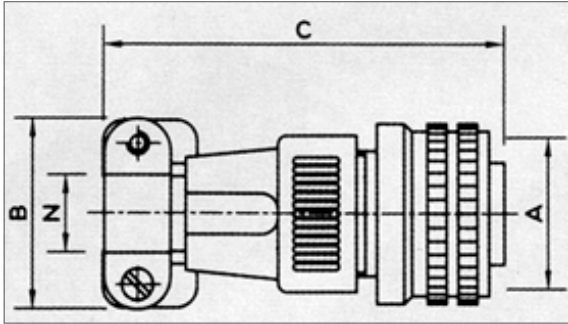


Data Sheet

MS 3106F 32-5P



MS 3106 F 32 – 5P is a 4-pin straight cable connector that will mate only with other 2-pin female connectors of 3100, 3101 and 3102 styles. MS 3106 F is identical to MS 3106 E except for the 'O' ring under the coupling nut, thus effecting a seal.

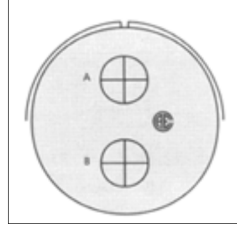


Illustration to left shows rear of connector insert – NOT TO SCALE

Insert Specification	32 – 5
Total No. of Contacts	2 Male
Contact Size	0 AWG

A-THREADING	B MAX	C MAX	N	
			MIN	MAX
2"-18 UN	52.70	77.00	15.90	31.30

Please consult our sales staff for information on accessories to suit this connector, namely protective metal dust caps, plastic dust caps and telescopic bushings.

Shell Housing & Finish	Aluminum Alloy with Olive Drab Cadmium Plating
Insulator	Polychloroprene
Contact	Copper Base Alloy – Silver Plated
Operating Temperature	-55°C to +125°C
Damp Heat	H 13
Air Pressure (Low)	P 17 : 4.4 kPa
Acceleration (Steady State)	A 10 : 170 m/s ²
Impact (Shock)	S 12 : 500 m/s ² , 11ms
Vibration	V 11 : 10 to 500Hz
Cable Termination	Solder
Insulation Resistance	Min 5000 Meg Ohms at 500 V DC
Rated Working Voltage – AC	900 V
Rated Current per contact – Amps	150 A
*Total Current through connector – Amps	282.90 A
Test Voltage – AC	2800 V at Sea Level
Wire Size	8.00mm max.

Number of Contacts	Falling rate (%)	Number of Contacts	Falling rate (%)
1	100	8	60
2	94.3	9	54.3
3	88.6	10	48.6
4	82.9	11	42.9
5	77.1	12	37.1
6	71.4	13	31.4
7	65.7	14	25.7

* The current capacity of the whole connector is obtained by multiplying the rated current per contact, the number of contacts and the falling rate corresponding to the number of contacts.

Therefore total capacity of this connector would be

$$\begin{aligned}
 &= \text{rated current per contact} \times \text{number of contacts} \times \text{falling rate (\%)} \\
 &= 150 \times 2 \times 94.3\% \\
 &= 282.90 \text{ A}
 \end{aligned}$$

This means a total of 282.90A can be passed through as long as total current through each individual contact does not exceed 150A.