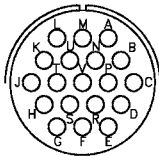


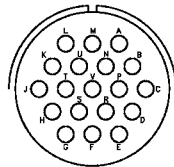
Contact arrangement

19 CONTACTS

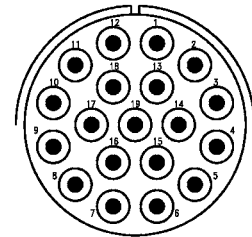
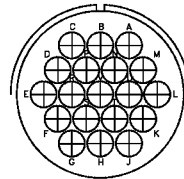
ARRANGEMENT 20-A48  
CONTACT SIZE 16  
SERVICE RATING I



ARRANGEMENT 22-14  
CONTACT SIZE 16  
SERVICE RATING A



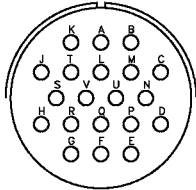
ARRANGEMENT 24-67  
CONTACT SIZE 12  
SERVICE RATING A



ARRANGEMENT 40-B19  
CONTACT SIZE 8  
SERVICE RATING A

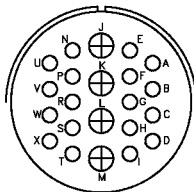
20 CONTACTS

ARRANGEMENT 28-16  
CONTACT SIZE 16  
SERVICE RATING A

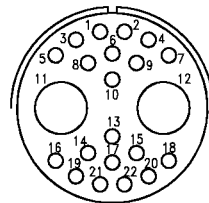


22 CONTACTS

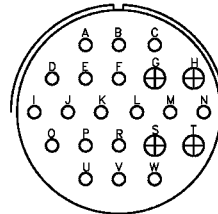
ARRANGEMENT 28-11  
CONTACT SIZE 4/12, 18/16  
SERVICE RATING A



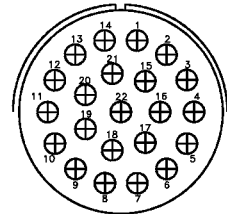
ARRANGEMENT 32-B22  
CONTACT SIZE 2/4, 20/16  
SERVICE RATING A



ARRANGEMENT 36-1  
CONTACT SIZE 4/12, 18/16  
SERVICE RATING D

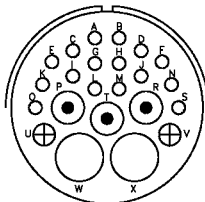


ARRANGEMENT 36-22  
CONTACT SIZE 12  
SERVICE RATING D

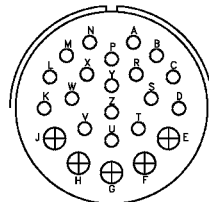


23 CONTACTS

ARRANGEMENT 32-6  
CONTACT SIZE 2/4, 3/8, 2/12, 16/16  
SERVICE RATING A

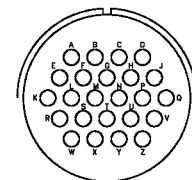


ARRANGEMENT 32-13  
CONTACT SIZE 5/12, 18/16  
SERVICE RATING D



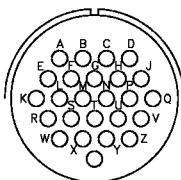
24 CONTACTS

ARRANGEMENT 24-28  
CONTACT SIZE 16  
SERVICE RATING I

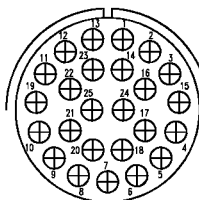


25 CONTACTS

ARRANGEMENT 24-A25  
CONTACT SIZE 16  
SERVICE RATING A

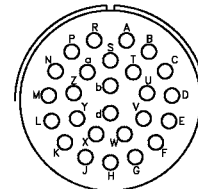


ARRANGEMENT 32-A25  
CONTACT SIZE 12  
SERVICE RATING A

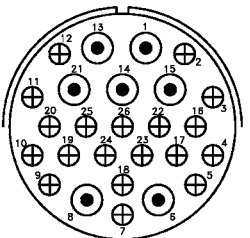


26 CONTACTS

ARRANGEMENT 28-12  
CONTACT SIZE 16  
SERVICE RATING A



ARRANGEMENT 40-26  
CONTACT SIZE 7/8, 19/12  
SERVICE RATING A

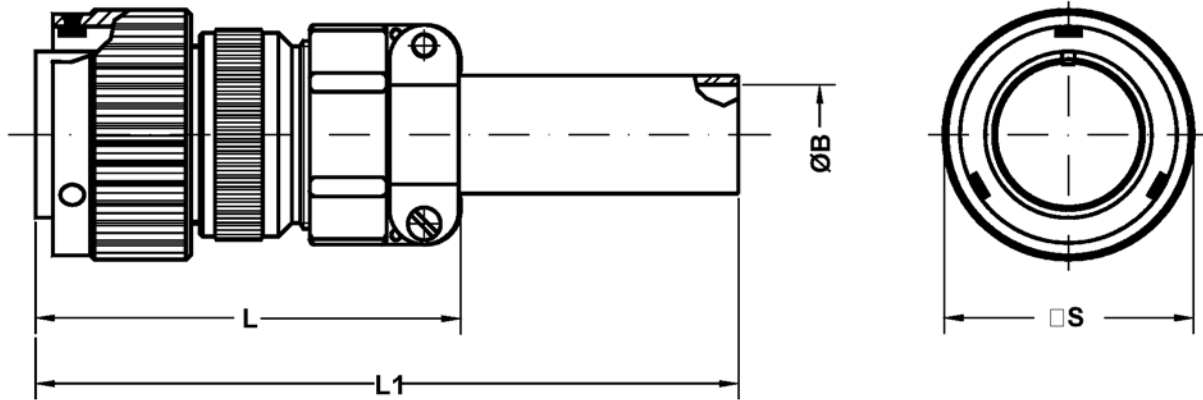


CONTACT LEGEND



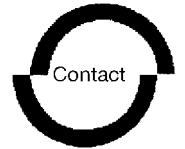


**CM1 3106 F**  
**CM1 4106 F**  
**Straight plug**



Shell size	ØB ±0.1	L Max.	L1 Max.	ØQ ±0.2
10 SL	5.58	55.0	125	22.6
14 S	7.92	58.4	125	29.0
16 S	11.09	60.4	125	31.6
16	11.09	71.8	135	31.6
18	14.27	77.8	140	36.2
20	15.87	74.0	130	39.8
22	15.87	74.0	130	43.0
24	19.05	76.7	130	46.4
28	19.05	83.2	135	53.0
32	23.79	90.3	140	60.0
36	31.75	96.8	145	66.2
40	34.92	115.8	160	72.3

Straight plug.  
Includes insulating grommet, backshell,  
class A CM3057 cable clamp and neoprene  
sleeve.  
No grommet supplied.

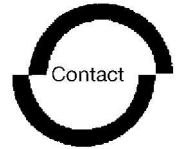


**HOW TO ORDER**

<u>FR</u>	<u>CM1</u>	<u>31</u>	<u>06</u>	<u>A</u>	<u>20-27</u>	<u>P</u>	<u>X</u>	<u>(...)</u>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>

- 1* Omitted : Standard  
FR : Fire Resistant rubber
- 2* CM1 : Bayonet coupling  
\*CM4 : Bayonet coupling without stainless steel wear pins
- 3* 31 : Solder contacts  
41 : Crimp contacts
- 4* Style : 00 - 01 - 02 - 03 - 030 - 05 - 06 - 07 - 070 - 078 - 08 - 26
- 5* Class : A - F - G - GR - RS - SP - Y
- 6* Contact arrangement
- 7* P : Pin contacts  
S : Socket contacts  
P/S : Contacts for 02PP connectors
- 8* W - X - Y - Z : Alternate positions of the inserts
- 9* Modifications (see the next page)

\* Only for receptacles



## Technical characteristics

### Metal parts

Aluminium alloy with Cadmium free surface coatings with an olive drab passivation .

### Contacts

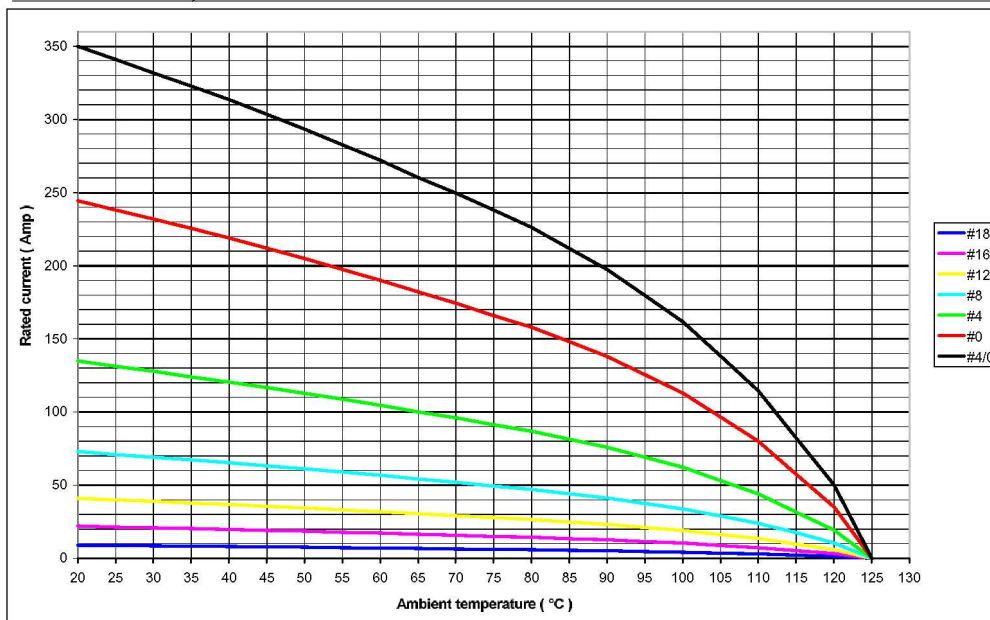
The following contact types are available : copper alloy with silver plating (Std) or gold plating (available on request).

### Insulating parts

High insulation synthetic rubber resistant to oils and high range of temperatures (-55°C to +125°C) in accordance with MIL-R-3065. Are also available in fire resistant and halogen free materials.

### Contacts

Contact size	Rated current at 20°C	Max. Contact resist.	Wire size
18	7.5 A	12.0 mΩ	20+26 AWG
16	22 A	6.0 mΩ	16+22 AWG
12	41 A	3.0 mΩ	12-14 AWG
8	73 A	1.0 mΩ	8-10 AWG
4	135 A	0.5 mΩ	4-6 AWG
0	245 A	0.3 mΩ	0+2 AWG
4/0	350 A	0.2 mΩ	4/0 AWG



### Service rating ( Min insulating resistance : $\geq 5 \times 10^3 \text{ M}\Omega$ )

Class	Operating voltage Vdc	Operating voltage VacRMS	Test voltage Vac RMS
INST.	250 V	200 V	1000 V
A	700 V	500 V	2000 V
D	1250 V	900 V	2800 V
E	1750 V	1250 V	3500 V
B	2450 V	1750 V	4500 V
C	4200 V	3000 V	7000 V