

# SYNERGY TELECOM PVT. LTD

## MS-3106F-14S-9S



### General Specification

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Shell Housing         | Aluminium Alloy                                       |
| Plating               | Olive Drab Cadmium                                    |
| Insulator             | Polychloroprene                                       |
| Contact Material      | Copper Base Alloy-Silver Plated                       |
| Mating Cycle          | 500                                                   |
| Operating Temperature | -55°C/+ 125°C                                         |
| Insulation Resistance | Min.5000 Meg Ohms at 500 VDC                          |
| Current Rating        | Upto 150 Amps. ( Depends on Contact Arrangement)      |
| Working Voltage       | 200 to 3000 VAC rms ( Depends on Contact Arrangement) |
| Wire Termination      | solder Type                                           |

### Technical Date

| Service Rating                       | INST         | A            | D            | E            | B            | C            |
|--------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Test Voltage                         | 1000         | 2000         | 2800         | 3500         | 4500         | 7000         |
| At sea Level VAC (rms)               |              |              |              |              |              |              |
| Rated Working Voltage-DC             | 250          | 700          | 1250         | 1750         | 2450         | 4200         |
| At Sea level AC (rms)                | 200          | 500          | 900          | 1250         | 1750         | 3000         |
| Effective Creepage-Inch (nominal)-mm | 1/16<br>1.57 | 1/8<br>3.18  | 3/16<br>4.75 | ¼<br>6.35    | 5/16<br>7.92 | 1<br>25.40   |
| Mechanical Specing-Inch (nominal)-mm | -<br>-       | 1/16<br>1.57 | 1/8<br>3.18  | 3/16<br>4.75 | ¼<br>6.35    | 5/16<br>7.92 |

| Contact Size | Wire Size Dia(mm) | Od Of Insulated Wire |         | Maximum Test Current Amps | Rated Current Amps |
|--------------|-------------------|----------------------|---------|---------------------------|--------------------|
|              |                   | Max.(mm)             | Min(mm) |                           |                    |
| 16           | 0.8               | 3.30                 | 1.63    | 22                        | 13                 |
|              | 1.00              |                      |         |                           |                    |
|              | 1.25              |                      |         |                           |                    |
| 12           | 1.60              | 4.32                 | 2.90    | 41                        | 23                 |
|              | 2.00              |                      |         |                           |                    |
| 8            | 2.50              | 6.48                 | 4.17    | 73                        | 46                 |
|              | 3.15              |                      |         |                           |                    |
| 4            | 4.00              | 9.40                 | 6.90    | 135                       | 80                 |
|              | 5.00              |                      |         |                           |                    |
| 0            | 6.30              | 13.98                | 10.55   | 245                       | 150                |
|              | 8.00              |                      |         |                           |                    |