

SMA122P



Panel 122 pin

SMA122V



Inline 122 pin



SMA176P



Panel 176 pin

SMA176V



Inline 176 pin

The SYNTAX® SMA connectors are configured in the 122 pins for multicore cables until 40 pairs and 176 pins for multicore cables until 58 pairs and are fully compatible with the existing fixed pin solder type & crimp type MASS connectors, and use the same inline and panel mount housings.

The metal shells are machined and hard black anodized to protect against damage through physical abuse. The hermaphroditic design minimizes the number of required parts as two connectors allow for complete daisy chain capability.

All connectors include a heavy-duty dust cap. Inline connectors have water tight PG 36 cable gland or (optional) a cable strain relief utilising a basket weave design. The crimp type versions are designed for easy, positive insertion and removal of pins and sockets, using a standard crimp tool and locator insert.

- Hermaphroditic Design
- Crimp or Solder contacts
- All machined aluminium construction
- Water tight IP67 when mated
- Intermateable with Whirlwind Mass connectors
- Hard anodised black finish

### CONNECTOR RATING

| N° pin | Rated voltage | Rated voltage | Dielectric Strength | Min. Flashover |
|--------|---------------|---------------|---------------------|----------------|
|        | Vca           | Vcc           |                     |                |
| 122    | 180           | 210           | 1200                | 800            |
| 176    | 180           | 210           | 1200                | 800            |

### CONTACTS RATING

| Max Current | Rated Current | Max Voltage Drop | Wire section (mm <sup>2</sup> ) | Wire section AWG |
|-------------|---------------|------------------|---------------------------------|------------------|
| 7,5 A       | 7,5 A         | 83 mv            | 0,15-0,6                        | 26-20            |

### CONNECTOR DIMENSIONS

| N° pin | PANEL |       |     |       |      |      |      |      | INLINE |       |       |       |
|--------|-------|-------|-----|-------|------|------|------|------|--------|-------|-------|-------|
|        | A     | B     | C   | D     | G    | H    | L    | M    | E      | F     | N     | P     |
| 122    | 63,0  | 65,6  | 7,1 | 101,5 | 66,0 | 57,3 | 45,7 | 48,5 | 70,0   | 145,0 | 159,0 | 150,0 |
| 176    | 67,0  | 69,76 | 7,0 | 107,5 | 69,0 | 60,0 | 57,0 | 55,0 | 76,2   | 150,0 | 163,0 | 155,0 |