

**Subscriber connector unit**

**Use**

The subscriber connector unit is used for the connection of an outdoor to an indoor drop wire. It allows for circuit testing in both network directions.

The box provides environmental protection.

The product is especially recommended for

- aggressive environmental conditions,
- terminations where future requirements may include different types of protection.

**Description**

The subscriber connector unit consists of a rectangular box base with a cover and a five-pole connection module secured to the base.

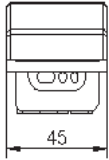
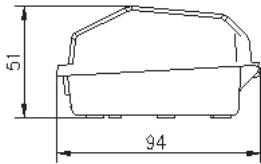
The top and base are hinged together, and the top is easily removable to facilitate working in cramped conditions.

The cable grommets for wire entry and exit may be adjusted to conductor size and are also removable.

A metal screw is provided for grounding purposes.



## Dimensions



## Ordering information

Description	Plug-in module configuration	Plug-in module test access type	Tyco code
VX-SB-01-P	Continuity	Pins	2-1196486-6
VX-SB-01-PG04	230 V GDT	Pins	3-1191624-6
VX-SB-01-CG04	230 V GDT	Crocodile	6-1200684-8

For other configurations, please consult your local Tyco Electronics sales engineer.

## Specifications

### Contact characteristics

#### Drop wire connector

Gauge range: 0.4 to 1.05 mm diameter  
Insulation diameter: 5 mm maximum diameter

#### Pair connector

Gauge range: 0.4 to 1.05 mm diameter  
Insulation diameter: 3 mm maximum diameter

#### Current conducting capacity

20 A, 10 A per conductor for 10 minutes at least without causing deformation of the module.\*

#### Insulation resistance

Dry atmosphere:  $>10^{12} \Omega$   
Damp atmosphere (ASTM D618, procedure F):  $>10^{12} \Omega$   
Salt fog (ASTM B117):  $>10^{10} \Omega$   
Immersion in water (15 days in 3% NaCl solution):  $>10^{10} \Omega$

#### Contact resistance

$R_{\text{material}} + R_{\text{bridge contacts}} + R_{\text{wire contacts}} < 10 \text{ m} \Omega$

#### Increase in contact resistance

After climatic tests:  $< 2.5 \text{ m} \Omega$   
After 50 reinsertions:  $< 2.5 \text{ m} \Omega$

**Dielectric strength:**  $> 3,000 \text{ Vdc}$  for 1 minute

### Mechanical characteristics

Pair/drop wire housing screw:	Special passivated direct + lacquered Zamac alloy.
Drop wire housing body:	Transparent polycarbonate
Body:	Flame retardant (UL94) fiber-glass reinforced polycarbonate
Insertion contacts:	Tinned phosphor bronze
Ground contacts:	Cu-Zn-Ni-Ag alloy
Continuity contacts:	Tinned hard brass
Lower sealant:	Polymeric resin
Upper cable sealant:	Silicone fluid
Pair/drop wire bearing cover:	Polycarbonate
Plug-in module body:	Flame retardant (UL94) fiber-glass reinforced polycarbonate
Plug-in module sealant:	Gel
"O" ring:	EPDM
Cable/drop wire membrane:	Thermoplastic rubber
Box base and cover:	Polycarbonate RAL 7035
Earthing assembly:	Stainless steel
Grommet:	EPDM

\* Note: if  $> 20 \text{ A}$  up to  $30 \text{ A}$  is required, this is possible using a different GDT.

**tyco**

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