

## 2-pair 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 and 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 two five-pole connection modules secured in a stainless steel plate.

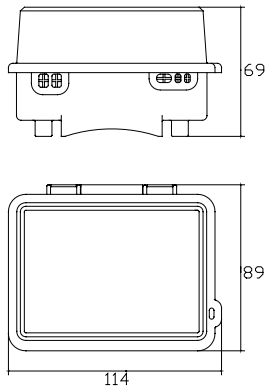
The top and base are hinged together, and the top is easily removable to facilitate working in cramped conditions.

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

A metal screw is provided in the wire housing recesses to secure the grounding wire.



## Dimensions



## Ordering information

Description	Number of pairs configuration	Plug-in module test access type	Plug-in module configuration	Tyco code
VX-SB-02-P	2	Pins	Continuity	3-1198114-5
VX-SB-02-CG04	2	Crocodile	230 V GDT	1-1200625-6

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 Ø
Insulation diameter	5 mm max. Ø

#### Pair connector

Gauge range	0.4 to 1.05 mm Ø
Insulation diameter	3 mm max. Ø

#### Current conducting capacity

20 A, 10 A per conductor for 10 minutes at least without causing deformation of the module  
(If > 20 A up to 30 A is required, this is possible using a different GDT)

#### Insulation resistance

Dry atmosphere	> 10 <sup>12</sup> Ω
Damp atmosphere (ASTM D618)	> 10 <sup>12</sup> Ω
Salt fog (ASTM B117)	> 10 <sup>10</sup> Ω
Immersion in water (15 days in 3 % NaCl solution)	> 10 <sup>10</sup> Ω

#### Contact resistance

R <sub>material</sub> + R <sub>bridge contacts</sub> + R <sub>wire contacts</sub>	< 10 mΩ
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#### Increase in contact resistance

After climatic tests	< 2.5 mΩ
After 50 reinsertions	< 2.5 mΩ

<b>Dielectric strength</b>	> 3.000 Vdc for 1 minute
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### Mechanical characteristics

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

**tyco**

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