

Plug-in Modules**TELECOM OUTSIDE PLANT****Use**

These are used in VX connection modules, modular connection blocks, boxes, and other products of the VX family to provide interchangeable continuity, protection or a variety of other functions.

The plug-in modules are easily removed and re-inserted by hand using a knob, and have the option of two access holes in the top for electrical testing using either pins or crocodile clips. During testing the circuit is unaffected.

Description

The modules consist of a casing of plastic material inside which there are two, three or five terminals, depending on the module.

They are designed to provide continuity and house protection or control devices as required.

They are filled with silicone grease, and gel is used in access holes if they are present.

The modules are available in colours which indicate their function, e.g. continuity modules are grey and protected modules are red.

Further information may be indicated by printing on the modules.

The modules incorporate an O-ring in the body which serves to seal the central contacts of the base unit when they are plugged into position.



V X - P M

VX-PM

Ordering information

Description	Internal configuration	Plug-in module test-access type	Order number
VX-PM-P	Continuity	Pins	305939-000
VX-PM-PG03	260 V GDT	Pins	179884-000
VX-PM-PG04	230 V GDT	Pins	875326-000
VX-PM-XRC1	RC filter*	None	259997-000
VX-PM-XRF	RF filter**	None	071801-000

* 0.68 μ F/22 k Ω m

** Medium wave: 300 to 1600 kHz

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

Specifications

Contact characteristics

Current conducting capacity 20 A, 10 A per conductor for 10 minutes at least, without causing deformation to the module
Note: if > 20 A up to 30 A is required, this is possible using a different GDT.

Insulation resistance*

Dry atmosphere: >10¹² Ω

Damp atmosphere: >10¹² Ω

(ASTM D6 18, procedure F)

Salt fog: (ASTM B 1 17) >10¹⁰ Ω

Immersion in water: (15 days in 3% NaCl solution) >10¹⁰ Ω

Contact resistance

R_{material} + R_{bridge contacts} + R_{wire contacts} <10 m Ω

Increase in contact resistance

After climatic tests: <2.5 m Ω

After 50 reinsertions: <2.5 m Ω

Dielectric strength: >3,000 Vdc for 1 minute

Mechanical characteristics

Protector ground contact Tinned hard brass

Continuity contact Tinned hard brass

Plug-in module body VO fiber-glass reinforced polycarbonate

Plug-in module sealant** Gel

"O" ring EPDM

* Each line to earth is measured.

Does not apply to RF filter version.

** Only for modules with test-access ports

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