



Plug-in terminal 150V, 8A, 1.5 / 2-ST-3.5 for modular control XC-303

Part no. PLUG-FMC-2S
Catalog No. 191083
Alternate Catalog No. PLUG-FMC-2S

Delivery program

Accessories		Terminations
		Push-in socket connector for wiring the modules (24 VDC) from the XN300 I/O system and the XC-303-.... modular controllers
For use with		XC-303-... XN300

Technical data

Terminal capacities

Flexible with ferrule	mm ²	1,5
-----------------------	-----------------	-----

Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	-25
Operating ambient temperature max.	°C	55
Degree of Protection		IP20
IEC/EN 61439 design verification		
10.2 Strength of materials and parts		
10.2.2 Corrosion resistance		
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Meets the product standard's requirements.
10.2.5 Lifting		Does not apply to enclosures without lifting aids.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES		Meets the product standard's requirements.
10.4 Clearances and creepage distances		Meets the product standard's requirements.
10.5 Protection against electric shock		Does not apply to plastic enclosures.
10.6 Incorporation of switching devices and components		Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections		
10.8 Connections for external conductors		Is the panel builder's responsibility.
10.9 Insulation properties		
10.9.2 Power-frequency electric strength		Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material		Is the panel builder's responsibility.
10.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating		Is the panel builder's responsibility.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 8.0

Installation, isolation and connection material (EG000047) / Push in terminal (EC000446)		
Electric engineering, automation, process control engineering / Electrical installation, device / Terminal (not overhead line) / Screw less terminal (ecl@ss10.0.1-27-14-11-04 [AAB919014])		
Number of clamp positions		2
Nominal cross section	mm ²	0.2 - 1.5

Cable diameter	mm	0.5 - 2.8
With operation lever		No
Colour		Blue
Transparent		No
Nominal voltage	V	150
Nominal current	A	8
Suitable for solid core		Yes
Suitable for flexible core		Yes
Suitable for multi-wire core		Yes
Conductor cross section flexible (fine-strand) with cable end sleeve	mm ²	0.2 - 0.75
Conductor cross section solid (solid, stranded)	mm ²	0.2 - 1.5
AWG-range		16 - 24

Approvals

Specially designed for North America		No
Current Limiting Circuit-Breaker		No