

Interference filter for I/O modules of the XC100/200



Part no. XT-FIL-2
118980

General specifications		
Product name		Eaton XT Accessory Interference filter
Part no.		XT-FIL-2
EAN		4015081170975
Product Length/Depth		90 millimetre
Product height		56.5 millimetre
Product width		35.5 millimetre
Product weight		0.09 kilogram
Certifications		IEC/EN 61131-2 EN 50178
Product Tradename		XT
Product Type		Accessory
Product Sub Type		Interference filter
Features & Functions		
Features		Mains overvoltage protection (power supply)
General information		
Connection type		Screw terminals
Current consumption		12 A max.
Degree of protection		IP20
Overvoltage category		II
Pollution degree		2
Potential isolation		Power supply, Input voltage against PE: yes Power supply, Output voltage against PE: yes
Rated impulse withstand voltage (Uimp)		850 V (auxiliary and control circuits)
Residual ripple		≤ 5 %
Ambient conditions, mechanical		
Impact resistance		500 g/∅ 50 mm ±25 g
Mounting position		Horizontal Vertical
Shock resistance		15 g, Mechanical, Shock duration 11 ms
Vibration resistance		10 - 57 Hz, ± 0.075 mm 57 - 150 Hz, ± 1.0 g
Climatic environmental conditions		
Ambient operating temperature - min		0 °C
Ambient operating temperature - max		55 °C
Ambient storage temperature - min		-25 °C
Ambient storage temperature - max		70 °C
Electro magnetic compatibility		
Emitted interference		Class A (according to DIN/EN 55011/22)
Interference immunity		According to EN 50082-2
Terminal capacities		
Terminal capacity		0.2 - 2.5 mm² (22 - 12 AWG), flexible with ferrule, Screw terminals 0.2 - 2.5 mm² (22 - 12 AWG), solid, Screw terminals
Power supply		
Supply voltage - max		28.8 V
Input/Output		
Input voltage at DC - min		20.4 V
Input voltage at DC - max		24 V
Output current at AC, 50 Hz - max		12 A

Output voltage at DC - max		24 V
Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		0 W
Heat dissipation per pole, current-dependent Pvid		0 W
Rated operational current for specified heat dissipation (In)		0 A
Static heat dissipation, non-current-dependent Pvs		0 W
10.2.2 Corrosion resistance		Meets the product standard's requirements.
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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, since the entire switchgear needs to be evaluated.
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, since the entire switchgear needs to be evaluated.
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		Is the panel builder's responsibility.
10.8 Connections for external conductors		Is the panel builder's responsibility.
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 9.0

Programmable logic controllers PLC (EG000024) / Accessories/spare parts for controls (EC002584)		
Electric engineering, automation, process control engineering / Display and control component / Panel (HMI) / Panel (HMI, accessories) (ecl@ss13-27-33-02-92 [AFX005008])		
Type of electrical accessory/spare part		Other
Type of mechanical accessory/spare part		Other
Accessory		Yes
Spare part		No