

## Interference filter for the external supply of the 24VDC XC100/200

**Part no.**                    **XT-FIL-1**  
**285316**

<b>General specifications</b>	
Product name	Eaton XT Accessory Interference filter
Part no.	XT-FIL-1
EAN	4015082853167
Product Length/Depth	30 millimetre
Product height	90 millimetre
Product width	35 millimetre
Product weight	0.09 kilogram
Certifications	CSA CSA Class No.: 2252-01 IEC/EN 61131-2 UL Category Control No.: NRAQ UL File No.: E135462 UL CE UL508 CSA File No.: 012528 EN 50178 CSA-C22.2 No. 0-M CSA-C22.2 No. 142-M
Product Tradename	XT
Product Type	Accessory
Product Sub Type	Interference filter
<b>Features &amp; Functions</b>	
Features	Mains overvoltage protection (power supply)
<b>General information</b>	
Connection type	Screw terminals
Current consumption	2.2 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 %
<b>Ambient conditions, mechanical</b>	
Impact resistance	500 g/∅ 50 mm ±25 g
Mounting position	Vertical Horizontal
Shock resistance	15 g, Mechanical, Shock duration 11 ms
Vibration resistance	10 - 57 Hz, ± 0.075 mm 57 - 150 Hz, ± 1.0 g
<b>Climatic environmental conditions</b>	
Ambient operating temperature - min	0 °C
Ambient operating temperature - max	55 °C
Ambient storage temperature - min	-25 °C
Ambient storage temperature - max	70 °C
<b>Electro magnetic compatibility</b>	
Emitted interference	Class A (according to DIN/EN 55011/22)
Interference immunity	According to EN 50081-2
<b>Terminal capacities</b>	
Terminal capacity	0.2 - 2.5 mm <sup>2</sup> (22 - 12 AWG), solid, Screw terminals 0.2 - 2.5 mm <sup>2</sup> (22 - 12 AWG), flexible with ferrule, Screw terminals
<b>Power supply</b>	

Supply voltage - max		28.8 V
<b>Input/Output</b>		
Input voltage at DC - min		20.4 V
Input voltage at DC - max		24 V
Output current at AC, 50 Hz - max		2.2 A
Output voltage at DC - max		24 V
<b>Design verification</b>		
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