› Expansion Modules
Digital Extensions
XR06 / XR10 / XR14

› Power supply via the controller at the same voltage as the inputs
› Number of inputs/outputs can be configured in accordance with your requirements


XR06


XR10


XR14

Selection guide

Inputs	Outputs	Power supply	XR06	XR10	XR14
4 digital	2 relays 8 A	Via the 24 V⎓ controller	88970211	-	-
		Via the 100 → 240 V∿ controller	88970213		
		Via the 24 V∿ controller	88970214		
		Via the 12 V⎓ controller	88970215		
6 digital	4 relays 8 A	Via the 24 V⎓ controller	-	88970221	-
		Via the 100 → 240 V∿ controller		88970223	
		Via the 24 V∿ controller		88970224	
		Via the 12 V⎓ controller		88970225	
8 digital	6 relays (4 x 8 A relay and 2 x 5 A relay)	Via the 24 V⎓ controller	-	-	88970231
		Via the 100 → 240 V∿ controller			88970233
		Via the 24 V∿ controller			88970234
		Via the 12 V⎓ controller			88970235

Our Part-Number System

Expandable Version

Expansion Modules

Type
E: Digital sandwich extensions
R: Digital termination extensions
A: Analog termination extensions

X **R** **06**

Version
X: Expansion

Inputs/Output
03: 3 Pt100
04: 1 analog / 2 analog
05: Ethernet
06: 4 digital / 2 relay
10: 6 digital / 4 relay
14: 8 digital / 6relay

Type
N: Sandwich communication extensions

X **N** **06**

Version
X: Expansion

Communication
05: Ethernet
06: Modbus

You have a project? Contact us on **www.crouzet.com**

Description:

Millenium3: The reference for more than 15 years

The Millenium3 is a versatile, powerful logic controller designed to meet the needs of a wide range of industrial applications. Its ease of use and flexibility make it ideal for automation professionals.

It offers high reliability and accuracy, making it a trusted choice for your automation needs.

For more information about Millenium3: please visit **www.crouzet.com**.

	XR06	XR10	XR14
General environment characteristics			
Certifications	CE, UL, CSA, GL		
Conformity to standards (with the low voltage directive and EMC directive)	IEC/EN 61131-2 (Open equipment) IEC/EN 61131-2 (Zone B) IEC/EN 61000-6-2 IEC/EN 61000-6-3 (*) IEC/EN 61000-6-4 (*) Except configuration (88 970 1X1 or 88 970 1X2) + (88 970 250 or 88 970 270) + 88 970 241 class A (class B in a metal enclosure)		
Earthing	Not included		
Protection rating	In accordance with IEC/EN 60529: IP40 on front panel IP20 on terminal block		
Overvoltage category	3 in accordance with IEC/EN 60664-1		
Pollution	Degree: 2 in accordance with IEC/EN 61131-2		
Max operating Altitude	Operation: 2000 m Transport: 3048 m		
Mechanical resistance	Immunity to vibrations IEC/EN 60068-2-6, test Fc Immunity to shock IEC/EN 60068-2-27, test Ea		
Resistance to electrostatic discharge	Immunity to ESD IEC/EN 61000-4-2, level 3		
Resistance to HF interference	Immunity to radiated electrostatic fields IEC/EN 61000-4-3 Immunity to fast transients (burst immunity) IEC/EN 61000-4-4, level 3 Immunity to shock waves IEC/EN 61000-4-5 Radio frequency in common mode IEC/EN 61000-4-6, level 3 Voltage dips and breaks (a) IEC/EN 61000-4-11 Immunity to damped oscillatory waves IEC/EN 61000-4-12		
Conducted and radiated emissions	Class B (*) in accordance with EN 55022, EN 55011 (CISPR22, CISPR11) group 1 (*) Except configuration (88 970 1X1 or 88 970 1X2) + (88 970 250 or 88 970 270) + 88 970 241 class A (class B in a metal enclosure)		
Operating temperature Millenium 3 Essential and extensions	-20 →+55 °C (+40 °C in a non-ventilated enclosure) in accordance with IEC/EN 60068-2-1 and IEC/EN 60068-2-2		
Operating temperature Millenium 3 Smart	-20 +70 °C except CB and XB versions in VDC: -30 →+70 °C (+40 °C in a nonventilated enclosure) in accordance with IEC/EN 60068-2-1 and IEC/EN 60068-2-2		
Storage temperature Millenium 3 Essential and extensions	-40 →+70 °C in accordance with IEC/EN 60068-2-1 and IEC/EN 60068-2-2		
Storage temperature Millenium 3 Smart	-40 → +80 °C in accordance with IEC/EN 60068-2-1 and IEC/EN 60068-2-2		
Relative humidity	95 % max. (no condensation or dripping water) in accordance with IEC/EN 60068-2-30		
Mounting	On symmetrical DIN rail, 35 x 7.5 mm and 35 x 15 mm, or on panel (2 x Ø 4 mm)		
Screw terminals connection capacity	Flexible wire with ferrule = conductor: 0.25 to 2.5 mm 2 (AWG 24 →AWG 14) conductors 0.25 to 0.75 mm 2 (AWG 24 →AWG 18) Semi-rigid wire = 1 conductor: 0.2 to 2.5 mm 2 (AWG 25 →AWG 14) Rigid wire = conductor: 0.2 to 2.5 mm 2 (AWG 25 →AWG 14) conductors 0.2 to 1.5 mm 2 (AWG 25 →AWG 16) Tightening torque = 0.5 N.m (4.5 lb-in) (tighten using screwdriver diam. 3.5 mm)		

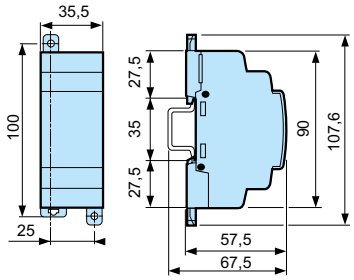
	XR06	XR10	XR14

Schematics

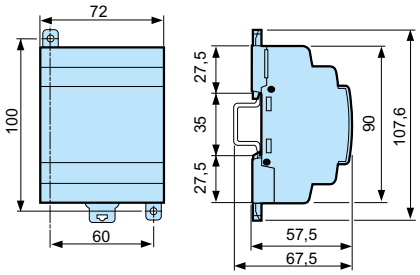
Footprint

Version

XR06



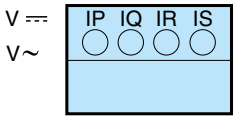
XR10-XR14



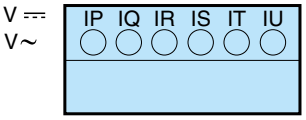
Digital termination extensions: XR06, XR10, XR14

Inputs

XR06



XR10



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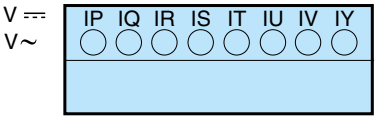
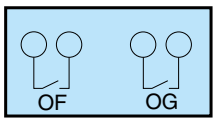
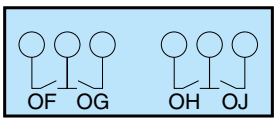


Relay outputs

XR06



XR10



XR14