➜ Digital extensions for XD10 and XD26

- 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

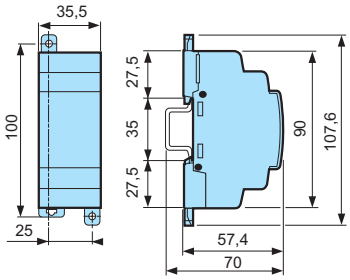
XR14

Part numbers

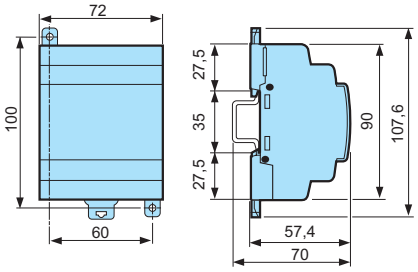
Type	Input	Output	Supply	Code
XR06	4 digital	2 relay outputs	Via the 24 V ⎓ controller	88970211
	4 digital	2 relay outputs	Via the 100 ➞ 240 V ∿ controller	88970213
	4 digital	2 relay outputs	Via the 24 V ∿ controller	88970214
	4 digital	2 relay outputs	Via the 12 V ⎓ controller	88970215
XR10	6 digital	4 relay outputs	Via the 24 V ⎓ controller	88970221
	6 digital	4 relay outputs	Via the 100 ➞ 240 V ∿ controller	88970223
	6 digital	4 relay outputs	Via the 24 V ∿ controller	88970224
	6 digital	4 relay outputs	Via the 12 V ⎓ controller	88970225
XR14	8 digital	6 relay outputs	Via the 24 V ⎓ controller	88970231
	8 digital	6 relay outputs	Via the 100 ➞ 240 V ∿ controller	88970233
	8 digital	6 relay outputs	Via the 24 V ∿ controller	88970234
	8 digital	6 relay outputs	Via the 12 V ⎓ controller	88970235

Dimensions (mm)

XR06



XR10 - XR14



➜ Analogue extension for XD10 and XD26

- Direct connection of analogue 0-10 V or 0-20 mA or Pt 100 inputs (10 bits) can be configured using the M3 SOFT software
- 2 analogue 0-10 V or PWM outputs (10 bits) can be configured using the M3 SOFT software
- Ramp can be parameterised for outputs used as 0-10 V outputs
- Power supply via the controller

XA04

Part numbers

Type	Input	Output	Supply	Code
XA04	2 analogue	2 analogue/PWM	Via the 24 V ⎓ controller	88970241

For adapted products, see page 49

Characteristics of analogue extension 88970241

General characteristics

See page 30, except:	
Certifications	UL, CSA GL (pending)
Earthing	Yes, refer to the quick reference guide supplied with the product

Analogue inputs

Inputs used as analogue inputs	0-10 V	0-20 mA	Pt 100
Input	IP and IQ	IP and IQ	IQ
Input range	0 → 10 V DC	0 → 20 mA	-25 → 125°C
Input impedance	≥ 18 Ω	246 Ω	-
Maximum non destructive voltage	30 V	30 mA	-
Value of LSB	9.8 mV	20 µA	0.15°C
Input type	Common mode	Common mode	Pt 100 probe - IEC 751 - 3-wire
Resolution	10 bits	10 bits	10 bits
Conversion time	Module cycle time	Module cycle time	Module cycle time
Accuracy at 25°C	± 1%	± 1%	±1.5°C
Accuracy at 55°C	± 1%	± 1%	±1.5°C
Isolation between analogue channel and power supply	None	None	None
Cabling distance	10 m maximum, with shielded cable (sensor not isolated)	10 m maximum, with shielded cable (sensor not isolated)	10 m maximum, with shielded cable (sensor not isolated)
Protection against polarity inversions	Command ignored	Command ignored	Command ignored

Analogue outputs

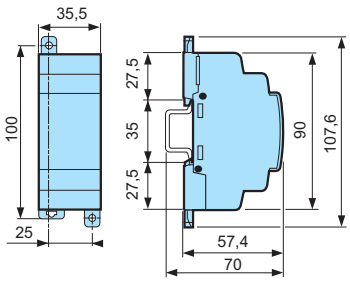
Range output	0 → 10 V
Input type	Resistive
Max. load	10 mA
Value of LSB	10 mV
Resolution	10 bits
Conversion time	Controller cycle time
Accuracy at 25°C	±1% of full scale
Accuracy at 55°C	±1% of full scale
Repeat accuracy at 55 °C	± 1%
Isolation between analogue channel and power supply	None
Cabling distance	10 metres maximum, with shielded cable (sensor not isolated)
Protection against polarity inversions	Yes

PWM

Range output	0 → 10 V power supply
Max. load	≥ 1.2 Ω (I ≤ 20 mA)
PWM cyclic ratio	1024 steps
Frequency	78 Hz, 312.5 Hz, 666.6 Hz, 1000 Hz, 1250 Hz, 1428 Hz, 1666 Hz, 2000 Hz
Accuracy	1% across the entire temperature range for PWM ratios from 5% to 95%
Built-in protections	Against overvoltages: Yes

Dimensions (mm)

XA04



For adapted products, see page 49