

› Expansion Modules

Analog Extension

XA04

- › Direct connection of analog 0-10 V or 0-20 mA or Pt100 inputs (10 bit) can be configured using the M3 Soft software
- › 2 analog 0-10 V or PWM outputs (10 bit) 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

Selection guide	
	XA04
Inputs	1 analog (0-10 V/0-20 mA) 1 analog (0-10 V/0-20 mA/Pt100)
Outputs	2 analog (0-10 V/PWM)
Supply	Via the 24 VDC controller
XA04	88970241

Specific characteristics	
Description	XA04
Certifications	IEC/EN 60751
Earthing	Yes, refer to the quick reference guide supplied with the product

Expandable Version

Expansion Modules

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

X N 06

Version
X: Expansion

Communication
05: Ethernet
06: Modbus

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

Type
N: Sandwich communication extensions

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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

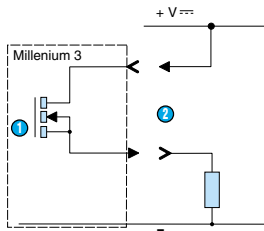
Analog inputs			
Inputs used as analog inputs	0-10 V	0-20 m	Pt100
Inputs	IP and IQ		IQ
Input range	0 → 10 VDC	0 → 20 mA	-25 → 125 °C
Input impedance	≥18 kΩ	246 Ω	-
Maximum non destructive current/voltage	30 V	30 mA	-
Value of LSB	9.8 mV	20 µA	0.15 °C
Input type	Common mode		Pt100 probe - IEC 751 - 3-wire
Resolution	10 bit		
Conversion time	Module cycle time		
Accuracy at 25 °C	± 2 %		± 1.5 °C
Accuracy at 55 °C	± 2 %		± 1.5 °C
Isolation between analog channel and power supply	None		
Cable length	10 m maximum, with shielded cable (sensor not isolated)		
Protection against polarity inversions	Command ignored		

Analog outputs	
Description	XA04
Range output	0 → 10 V
Input type	Resistive
Max. load	10 mA
Value of LSB	10 mV
Resolution	10 bit
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 analog channel and power supply	None
Cable length	10 metres maximum, with shielded cable (sensor not isolated)
Protection against polarity inversions	Yes

PWM	
Description	XA04
Range output	V power supply
Max. load	≥ 1.2 kΩ (I ≤ 20 mA)
PWM cyclic ratio	1024 steps (0 - 100 %)
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

Input/output wiring
Solid state outputs

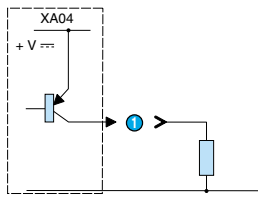
Extensions: XA04



- 1 MOS transistor
- 2 Digital/PWM output

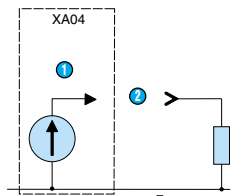
Input/output wiring
Analog outputs

Extensions: XA04



- 1 PWM output

Extensions: XA04

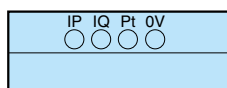


- 1 0-10 V
- 2 Analog input

Input/output installations
Analog termination extensions

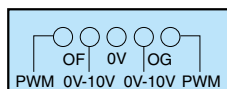
Inputs

Extensions: XA04



Input/output installations
Outputs

Extensions: XA04



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