

M-CVM-AB

Expansion modules M-CVM-AB-4AI-8AO



Description

Expansion module with 4 analogue inputs and 8 analogue outputs.

Applications

Analogue inputs

- Measuring signal parameters for non-unit external processes.
- Viewing the signals on screen and reporting them via communications

Analogue outputs

- Generating process signals for the instantaneous electrical parameters measured by the unit

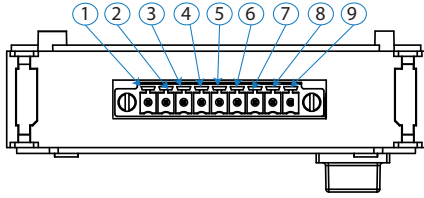
Technical features

Maximum power consumed		3 W
Mechanical	Terminal protection	IP 20
Analogue inputs	Type of measurement	Current
	Nominal input range	0-20 / 4-20 mA dc
	Metering accuracy	< 1%
	Input impedance	150 Ω
	Maximum acceptable input current	22 mA dc
	Number of inputs	4
	Connection	0.05-1.5 (AWG 30-14) mm ²
Analogue outputs in current mode	Terminal tightening torque	0.25 Nm
	Maximum internal voltage	12 V
	Nominal output range	0-20 / 4-20 mA
	Linearity	<1%
	Maximum load resistor	300 Ω
	DAC resolution	4096 dots
Analogue outputs in voltage mode	No. of configurable outputs in current mode	8
	Maximum internal voltage	12 V
	Nominal output range	0-10 V
	Linearity	<1%
	Minimum load resistor	5000 Ω
	DAC resolution	4096 dots
Code	No. of configurable outputs in current mode	8
	M56E03	

M-CVM-AB

Expansion modules M-CVM-AB-4AI-8AO

Connections

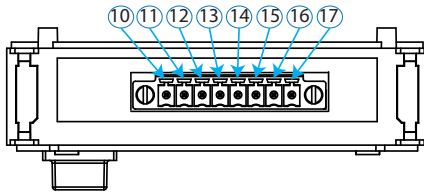


Analogue input/output terminals, upper face

Terminals on the upper face

List of terminals on the upper face, analogue inputs/outputs module

Unit terminals					
1	O1	Analogue output 1	6	O5	Analogue output 6
2	O2	Analogue output 2	7	O6	Analogue output 7
3	O3	Analogue output 3	8	O7	Analogue output 8
4	O4	Analogue output 4	9	COM	Shared by the analogue outputs
5	Oc	Analogue output 5			



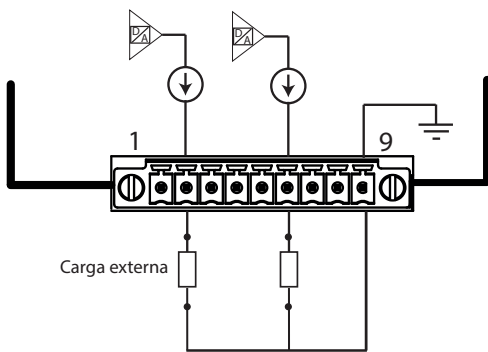
Analogue input/output terminals, lower face

Terminals on the lower face

List of terminals on the upper face, analogue inputs/outputs module

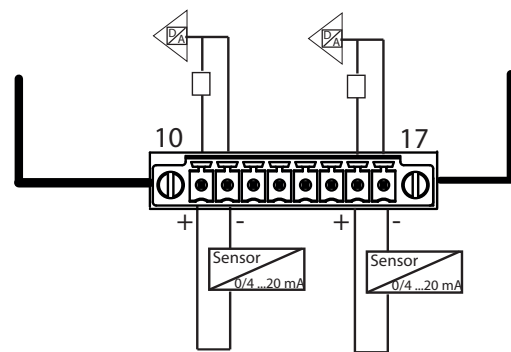
Unit terminals					
10	I1+	Analogue input 1	14	I3+	Analogue input 3
11	I1-	Analogue input 1	15	I3-	Analogue input 3
12	I2+	Analogue input 2	16	I4+	Analogue input 4
13	I2-	Analogue input 2	17	I4-	Analogue input 4

Analogue outputs



Connection diagram, analogue outputs

Analogue inputs



Connection diagram, analogue inputs