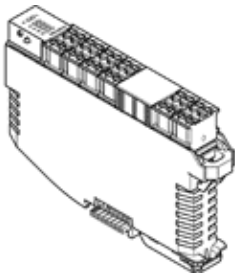


analogue output module

CPX-E-4AO-U-I

Part number: 4080494

FESTO



Data sheet

Feature	Value
Dimensions W x L x H	18,9 mm x 76,6 mm x 124,3 mm
Grid dimension	18.9 mm
No. of outputs	4
Diagnostics via LED	Error per channel Error per module
Diagnostics via bus	Short circuit/overload in actuator supply Short circuit/overload at analogue output parameterisation error Exceeding nominal range Value falls below nominal range Undervoltage in load supply General error
Measured variable	Voltage Current
Module parameters	Parameterisation error diagnostics Short circuit diagnostics for actuator supply Diagnostics for undervoltage in load supply Behaviour after short circuit/overload in actuator supply Behaviour after short circuit/overload at analogue output Deactivate actuator supply Data format analogue outputs
Channel parameters	Signal range per channel Enable overload/short circuit diagnostics Enable wire break/idling diagnostics Release for parameterisation error diagnostics Force channel x
Repetition accuracy	±0.05% at 25 °C
Protection (short circuit)	Internal electronic fuse protection per module
Intrinsic current consumption at nominal operating voltage for electronics/sensors	typ. 60 mA
Intrinsic current consumption at nominal operating voltage load	Typically 15 mA
Operating error limit related to the ambient temperature range	±0,3 %
Basic error limit at 25 °C	±0,1 %
Max. residual current outputs per module	2 A
Nominal operating voltage DC for electronics/sensors	24 V
Nominal operating voltage, DC outputs	24 V
Power failure buffering	10 ms
Electrical isolation channel – internal bus	Yes
Electrical isolation channel – channel	No
Permissible voltage fluctuations for electronics/sensors	± 25 %
Permissible voltage fluctuation, outputs	± 25 %
Power supply, type of connection	2x terminal strips
Power supply, connection technology	Cage clamp terminal
Power supply, number of pins/wires	4
Power supply, conductor diameter	0.2 ... 1.5 mm ²
Power supply, note on conductor diameter	0.2 - 2.5 mm ² for flexible conductors without wire end sleeves

Feature	Value
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC
Vibration resistance	Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	0 - No corrosion stress
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection against direct and indirect contact	Protective extra-low voltage with safe disconnection (PELV)
Protection class	IP20
Ambient temperature	-5 ... 50 °C
Note on ambient temperature	-5 - 60°C for vertical installation
Product weight	96 g
Maximum address volume for outputs	8 Byte
Signal range	-10 - 10 V -20 - 20 mA -5 - 5 V 0 - 10 V 0 - 20 mA 4 - 20 mA
Data format	15 bits + prefix Linear scaling
Max. line length	30 m Shielded
Electrical connection, output, function	Analogue output
Electrical connection, output, connection type	4x terminal strips
Electrical connection, output, connection technology	Cage clamp terminal
Electrical connection, output, number of pins/wires	4
Electrical connection for output, conductor cross section	0.2 ... 1.5 mm ²
Electrical connection for output, note on conductor cross section	0.2 - 2.5 mm ² for flexible conductors without wire end sleeves
Electrical connection for output 2, function	Functional earth
Electrical connection for output 2, connection type	Terminal strip
Electrical connection for output 2, connection technology	Cage clamp terminal
Electrical connection for output 2, number of pins/wires	4
Electrical connection for output 2, connection pattern	00995842
Electrical connection for output 2, conductor cross section	0.2 ... 1.5 mm ²
Electrical connection for output 2, note on conductor cross section	0.2 - 2.5 mm ² for flexible conductors without wire end sleeves
Mounting type	with top-hat rail
Materials note	Contains PWIS substances Conforms to RoHS
Material housing	PA