

Output module CPX-FVDA-P2

Part number: 1971599

FESTO



 General operating condition

Data sheet

Feature	Value
Dimensions (W x L x H)	50 x 107 x 55 mm
Product weight	50 g
Ambient temperature	-5 °C ... 50 °C
Note on ambient temperature	Observe derating curve for pneumatic interface
Storage temperature	-20 °C ... 70 °C
Degree of protection	Dependent on the manifold block
Corrosion resistance class CRC	1 - Low corrosion stress (when installed)
Max. cable length	200 m
LABS (PWIS) conformity	VDMA24364-B2-L
CE mark (see declaration of conformity)	To EU EMC Directive To EC Machinery Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK regulations for machines To UK RoHS instructions
Approval	c UL us - Recognized (OL)
Certificate issuing authority	German Technical Control Board (TÜV) Rhld 01/205/5294.02/23 German Technical Control Board (TÜV) Rhld 01/205U/5294.01/23
Note on materials	RoHS-compliant
Material housing	PC
Probability of Failure per Hour (PFH)	1.0E-9
LED display	1 fail-safe mode protocol active 1 Group diagnostics 3 channel diagnostics 3 Channel status
Diagnosis	Wire break per channel Short circuit/overload per channel Cross circuit Undervoltage of valves
Max. address volume, inputs	6 Byte
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Number of outputs	2
Note on outputs	1 internal channel to switch off the valve voltage 2 external outputs
Parameterisation	Diagnostic behaviour Wire break monitoring per channel
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	-15%/+20%
Residual ripple	2 Vpp within voltage range

Feature	Value
Intern power consumption nominal operating voltage	Typically 25 mA (power supply for electronics) Typ. 65 mA (load voltage supply for valve)
Load capacity against FE	400 nF
Switching logic for outputs	P-M switching
Max. reaction time to switch-off command	F_WD_TIME + 23 ms
Safety function	Safely switching off supply voltage for the valves
Safety Integrity Level (SIL)	Safe switch-off/SIL 3
Performance Level (PL)	Safe switch-off/category 3, Performance Level e
Max. power supply per channel	1.5 A
Max. total current per module	5 A
Voltage drop per channel	0.6 V
Isolation channel - channel	no
Isolation channel - internal bus	Yes, with intermediate air supply
Fuse protection (short circuit)	Internal electronic fuse per channel