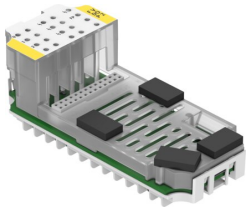
Output module
CPX-FVDA-P2

Part number: 1971599



Data sheet

Feature	Value
Dimensions W x L x H	(incl. interlinking block and connection system) 50 mm x 107 mm 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	Depending on terminal block
Corrosion resistance class (CRC)	1 - Low corrosion stress (installed)
Max. cable length	200 m
LABS (PWIS) conformity	VDMA24364-B2-L
CE marking (see declaration of conformity)	As per EU EMC directive as per EU machinery directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK instructions for machines To UK RoHS instructions
Certification	c UL us - recognized (OL)
Certificate issuing authority	German Technical Control Board (TÜV) Rhld 01/205/5294.02/23 German Technical Control Board (TÜV) Rheinland 01/205U/5294.01/23
Note on materials	RoHS compliant
Housing material	PA-reinforced PC
PFH	1E-09
LED indicators	1 fail-safe mode protocol active 1 group diagnostics 3 channel diagnostics 3 channel status
Diagnostics	Wire break per channel Short circuit/overload per channel Cross circuit Undervoltage of pneumatic valves
Max. address capacity inputs	6 byte
Max. address capacity outputs	6 byte
No. of outputs	2

Feature	Value
Note on outputs	1 internal channel for switching off pneumatic valve voltage 2 external outputs
Parameterization	Diagnostic behavior Wire break monitoring per channel
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	-15% / +20%
Residual ripple	2 Vss within voltage range
Intrinsic current consumption at nominal operating voltage	Typ. 25 mA (electronics operating voltage supply) Typ. 65 mA (pneumatic valve load power supply)
Load capacity to FE	400 nF
Switching logic at outputs	PM-switching
Max. response time to switch off command	F_WD_TIME + 23 ms
Safety function	Safely switching off supply voltage for the pneumatic 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. residual current per module	5 A
Voltage drop per channel	0.6 V
Electrical isolation between channels	No
Electrical isolation between channel and internal bus	Yes, when using intermediate feed
Fuse protection (short circuit)	Internal electronic fuse per channel