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
Type code	CPX
No. of outputs	2
Diagnostics	Wire break per channel Short circuit/overload per channel Cross circuit Undervoltage of pneumatic valves
Parameterization	Diagnostic behavior Wire break monitoring per channel
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
LED indicators	1 fail-safe mode protocol active 1 group diagnostics 3 channel diagnostics 3 channel status
Fuse protection (short circuit)	Internal electronic fuse per channel
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
Max. response time to switch off command	F_WD_TIME + 23 ms
Max. power supply per channel	1.5 A
Max. residual current per module	5 A
Nominal operating voltage DC	24 V
Electrical isolation between channel and internal bus	Yes, when using intermediate feed
Electrical isolation between channels	no
Residual ripple	2 Vss within voltage range
Voltage drop per channel	0.6 V
Permissible voltage fluctuations	-15 % / +20 %
Certification	c UL us - Recognized (OL)
CE marking (see declaration of conformity)	as per EU machinery directive
Certificate issuing authority	German Technical Control Board (TÜV) Rheinland 01/205/5294.01/18
Corrosion resistance class (CRC)	1 - Low corrosion stress (when installed)
Storage temperature	-20 °C ... 70 °C
Degree of protection	Depends on manifold block
Ambient temperature	-5 °C ... 50 °C

Feature	Value
Note on ambient temperature	Observe derating curve for pneumatic interface
PFH	1.0E-9
Product weight	50 g
Max. address capacity outputs	6 byte
Note on outputs	2 external outputs 1 internal channel for switching off pneumatic valve voltage
Max. address capacity inputs	6 byte
Max. cable length	200 m
Switching logic at outputs	PM-switching
Note on materials	RoHS-compliant
Housing material	PA-reinforced PC