Electrical interface
CPV14-GE-DI02-8

Part number: 546190



Data sheet

Feature	Value
CP string expansion	Yes 32 inputs 32 outputs
Fieldbus interface	Alternatively: Socket and plug, M12x1, 5-pin, B-coded Sub-D, 9-pin, plug socket
Device-specific diagnostics	Via device-specific diagnostics (DPV0) Missing module on CP string extension Short circuit/overload of outputs Undervoltage of outputs Sensor power undervoltage Undervoltage of pneumatic valves
Communication types	Cyclic communication
Configuration support	GSD files and bitmaps
Max. no. of solenoid coils with string expansion	48
Max. no. of solenoid coils	16
Reverse polarity protection	for all electrical connections
Baud rate	9.6 kBd ... 12 MBaud Automatic detection
DC operating voltage range	20.4 V...26.4 V
Max. no. of outputs	16 valve coils and 32 outputs 48 valve coils
Max. number of inputs	32
Nominal operating voltage DC	24 V
Power failure buffering	10 ms
Residual ripple	4 Vss
Current consumption at load nominal operating voltage	Depends on pneumatic valve type
Current consumption at nominal operating voltage	Electronics: <= 100 mA Sensor supply: depends on sensor
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C...70 °C
Degree of protection	IP65
Ambient temperature	-5 °C...50 °C
Certification	c UL us - recognized (OL)

Feature	Value
Product weight	310 g
Addressing range	1 ... 125 Setting via switch module
Fieldbus certification	PNO
Galvanic isolation fieldbus interface	Optocoupler
LED display (bus-specific)	BUS: communication and configuration error
LED display (product-specific)	12/14: Valve status POWER: operating voltage for electronics and load supply
Product identification	Product family: 4: Valves
Cover material	PA-reinforced
Seals material	CR NBR
Housing material	Die-cast aluminum
Note on materials	RoHS compliant