Electrical interface
CPV10-GE-DI01-8
Part number: 165809

Data sheet

Feature	Value
Type code	CPV10
CP string extension	yes 16 inputs 8 outputs (or 16 pneumatic valves)
Fieldbus interface	Optionally: Socket and plug, M12x1, 5-pin, B-coded Sub-D, 9-pin, 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 file and bitmaps
Max. no. of solenoid coils with string extension	32
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	8 (16 valve coils omitted)
Max. number of inputs	16
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
Storage temperature	-20 ºC ... 70 ºC
Degree of protection	IP65
Ambient temperature	-5 ºC ... 50 ºC
Certification	c UL us - Recognized (OL)
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

Feature	Value
LED display (product-specific)	12/14: switching status of pneumatic valves POWER: operating voltage for electronics and load supply
Product identification	Product line: 4: pneumatic valves
Cover material	PA-reinforced
Seals material	CR NBR
Housing material	Die-cast aluminum
Note on materials	RoHS-compliant