

# Electrical interface

## CPV14-GE-CO2-8

Part number: 525882  
Product to be discontinued

FESTO



## Data sheet

Feature	Value
Number of PDOs	1 Tx/Rx
Number of SDOs	1 SDO server
CP string extension	Yes 16 inputs 8 outputs (or 16 valves)
Fieldbus interface	Optional - 5-pin screw terminal strip - Socket and plug, M12x1, 5-pin, A coded - Sub-D, 9-pin, socket
Device-specific diagnostics	ConditionMonitoring Missing module in CP string Short circuit / overload, outputs Short circuit / overload, inputs Undervoltage, valve manifold (extension) Undervoltage, output module Undervoltage, sensor supply power Undervoltage, valve manifold via emergency message and object 1001, 1002, 1003
Communication types	Per DS 401
Configuration support	EDS file and bitmaps
Maximum number of solenoid coils with string extension	32
Max. number of solenoid coils	16
Parameters configuring	Via SDO
Polarity protected	For all operating voltage connections
Additional functions	Condition Counter
Baud rate	125, 250, 500 and 1000 kbit/s Adjustment via switch module
Operating voltage range DC	20.4 ... 26.4 V
Maximum number of outputs	8 (16 solenoid coils eliminated)
Maximum number of inputs	16
Nominal operating voltage DC	24 V
Power failure buffering	10 ms
Residual ripple	4 V <sub>ss</sub>
Current consumption at nominal operating voltage, load	Depending on valve type
Current consumption at nominal operating voltage	Electronics: <= 200 mA Sensor supply power: depends upon sensor
Storage temperature	-20 ... 70 °C
Protection class	IP20 IP65
Ambient temperature	-5 ... 50 °C
Authorization	c UL us - Recognized (OL)
Maximum address volume for outputs	8 Byte
Maximum address volume for inputs	8 Byte
Addressing range	Adjustment via switch module Node ID: 1 ... 127

<b>Feature</b>	<b>Value</b>
Fieldbus certification	CiA
Electrical isolation, fieldbus interface	Optocoupler
Note regarding fieldbus interface	24 V DC supply, CAN interface via bus Interface to CiA DS102
Bus-specific LED display	MNS: CANopen Status
Product-specific LED display	12/14: switching status at valves PS: operating voltage for electronics and load supply
Product ID	product family: digital I/O (DS401) Vendor-Code: 0xD
Material cover	PA-reinforced
Material seals	CR NBR
Material housing	Aluminum die cast
Materials note	Conforms to RoHS