

Controller CECC-S

Part number: 8201112

FESTO



 General operating condition

Data sheet

Feature	Value
Corrosion resistance class (CRC)	0 - No corrosion stress
Certification	RCM compliance mark c UL us - Listed (OL)
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Nominal operating voltage DC	24 V
Operating voltage	20.4 - 30 V DC
Current consumption	120 mA
Max. power supply	6 A
Ambient temperature	0 °C ... 55 °C
Storage temperature	-25 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Degree of protection	IP20
Protection class	III
Product weight	270 g
Resistance to vibration	as per EN 61131-2
Resistance to shock	as per EN 61131-2
Electrical connection technology I/O	Socket strip, 3.5 mm grid
Status indications	LED
CPU data	Dual core 500 MHz
Digital inputs, number	12
Digital inputs, switching logic	Positive logic (PNP)
Digital inputs, fast clock pulse inputs	2, each with max. 200 kHz
Digital inputs, input signal delay	3 ms typ.
Digital inputs, input voltage/current	24 V DC
Digital inputs, nominal value for TRUE	≥ 15 VDC
Digital inputs, nominal value for FALSE	≤ 5 VDC
Digital inputs, electrical isolation	Yes, optocoupler
Digital inputs, status indication	LED
Max. cable length	30 m inputs
Digital outputs, number	8
Digital outputs, switching logic	Positive logic (PNP)
Digital outputs, contact	Transistor
Digital outputs, output voltage	24 V DC
Digital outputs, output current	500 mA

Feature	Value
Digital outputs, potential separation	Yes, optocoupler
Digital outputs, switching frequency	max. 1 kHz
Digital outputs, short circuit current rating	yes
Digital outputs, status indication	LED
Serial interface, number	3
Serial interface, type	2 x RS 232 / 1 x RS 485-A/422-A
Serial interface, connection technology	Plug
Serial interface, transmission rate	Adjustable via software 300 ... 375000 bit/s
Protocol	CAN CANopen
IO-Link®, protocol version	Device V 1.0 Master V 1.1
IO-Link®, communication mode	Device SIO, COM1 (4.8 kBd), COM2 (38.4 kBd), COM3 (230.4 kBd) Master SIO, COM1 (4.8 kBd), COM2 (38.4 kBd), COM3 (230.4 kBd) Configurable via software
IO-Link®, port class	Device A Master B
IO-Link®, number of ports	Device 1 Master 1
IO-Link®, process data width OUT	Master parameterizable 2 - 32 bytes
IO-Link®, process data width IN	Master parameterizable 2 - 32 bytes
IO-Link®, minimum cycle time	Device 3.2 ms Master 5 ms
IO-Link®, data memory available	2 kByte/port
IO-Link®, output current	3.5 A/port
IO-Link®, Connection technology	Cage Clamp® Plug Master 5-pin Device, 3-pin
IO-Link®, communication	C/Q LED green C/Q LED red
IO-Link®, ready status indication	L+ green LED on L+ green LED off
Fieldbus interface, type	CAN bus
Fieldbus interface, connection technology	Plug Sub-D 9-pin
Fieldbus interface, transmission rate	125, 250, 500, 800, 1000 kbit/s Adjustable via software
Fieldbus interface, galvanic isolation	yes
USB interface	USB 1.1
Ethernet, connector plug	RJ45
Ethernet, number	1
Ethernet, data transmission speed	10/100 Mbit/s
Ethernet, supported protocols	OPC UA TCP/IP, EasyIP, Modbus® TCP
Encoder inputs, number	1
Encoder inputs, resolution	32 bit
Encoder inputs, signal range	5 V differential (RS422)
Encoder inputs, max. input frequency	1000 kHz
Encoder inputs, generator supply voltage	5 V DC (100 mA)
Programming software	CODESYS V3
Programming language	as per IEC 61131-3 KOP AWL ST FUP AS

Feature	Value
CE marking (see declaration of conformity)	As per EU EMC directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Certificate issuing authority	UL E239998-D1001