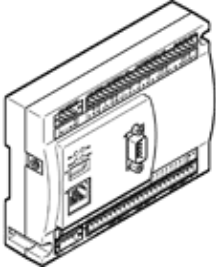# controller
CECC-S

Part number: 574416
Product to be discontinued

Compact controller Codesys V3 with I/O, CAN, Ethernet, 1 IO-Link
master, serial interfaces, encoder.

Type to be discontinued. Available until 2024. See Support Portal for
alternative products.

Data sheet

Feature	Value
Corrosion resistance classification CRC	0 - No corrosion stress
Authorisation	RCM Mark
	c UL us - Listed (OL)
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS
Nominal operating voltage DC	24 V
Operating voltage	20,4 - 30 V DC
Current consumption	100 mA nominal at 24 V DC
Max. power supply	6 A
Ambient temperature	0 ... 55 °C
Storage temperature	-25 ... 70 °C
Relative air humidity	95 %
	non-condensing
Protection class	IP20
Safety class	III
Product weight	200 g
Test for insensitivity to vibration	to EN 61131-2
Test for insensitivity to shock	to EN 61131-2
Electrical connector technology, I/O	Socket strip, grid 3.5 mm
Status displays	LED
CPU data	400 MHz processor
Digital inputs, number	12
Digital inputs, switching logic	Positive logic (PNP)
Digital inputs, fast counting inputs	2, each with max. 180 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, via optocoupler
Digital inputs, status display	LED
Max. line 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
Digital outputs, electrical isolation	Yes, via optocoupler
Digital outputs, switching frequency	max. 1 kHz
Digital outputs, short-circuit proof	Yes
Digital outputs, status display	LED
Serial interface, number	3

Feature	Value
Serial interface, type	2 x RS232 / 1 x RS 485-A/422-A
Serial interface, connection technology	Plug
Serial interface, transmission rate	300 ... 375000 Bit/s
Protocol	CANopen
	I-Port
	IO-Link
	Modbus TCP
IO-Link, protocol	Device V 1.0
	Master V 1.1
IO-Link, communication mode	Master SIO, COM1 (4,8 kBaud), COM2 (38,4 kBaud), COM3 (230,4 kBaud)
	Device COM1 (4,8 kBaud), COM2 (38,4 kBaud), COM3 (230,4 kBaud)
	Configurable via software
IO-Link, port type	Device A
	Master B
IO-Link, number of ports	Device 1
	Master 1
IO-Link, process data width OUT	Master parameterisable, 2 - 32 byte
IO-Link, process data width IN	Master parameterisable, 2 - 32 byte
IO-Link, minimum cycle time	Device 3,2 ms
	Master 5 ms
IO-Link, memory	2 kByte / Port
IO-Link master, output current	3,5 A / Port
IO-Link, connection technology	Cage Clamp
	Plug
	Master 5-pin
	Device, 3-pin
IO-Link, communication	C/Q green LED
	C/Q red LED
IO-Link, ready status display	L+ green LED on
	L+ green LED off
Fieldbus interface	CAN-Bus
Fieldbus interface, connection technology	Plug
	Sub-D
	9-pin
Fieldbus interface, transmission rate	125, 250, 500, 800, 1000kbit/s
	Adjustable via software
Fieldbus interface, electrical 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	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	1,000 kHz
Encoder inputs, generator supply voltage	5 V DC (100 mA)
Programming software	CODESYS provided by Festo V3
Programming language	To IEC 61131-3
	Ladder diagram (LDR)
	Statement list (STL)
	Structured text
	Function chart
	Sequential function chart
CE mark (see declaration of conformity)	to EU directive for EMC
UKCA marking (see declaration of conformity)	To UK instructions for EMC
	To UK RoHS instructions
Certificate issuing department	UL E239998-D1001