Controller
CECC-S

Part number: 8201112



Data sheet

Feature	Value
Corrosion resistance class CRC	0 - No corrosion stress
Approval	RCM c UL us - Listed (Oil)
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
Vibration resistance test	To EN 61131-2
Shock resistance test	To EN 61131-2
Electrical connection system I/Os	Socket strip, grid 3.5 mm
Status displays	LED
CPU data	Dual core 500 MHz
Digital input, number	12
Digital inputs, switching logic	Positive logic (PNP)
Digital inputs, high-speed counter inputs	2, each with max. 200 kHz
Digital inputs, input signal delay	3 ms (typ.)
Digital inputs, input voltage/current	24 VDC
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 display	LED
Max. cable length	30 m inputs
Digital outputs, number	8

Feature	Value
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, optocoupler
Digital outputs, switching frequency	max. 1 kHz
Digital outputs, short circuit current rating	Yes
Digital outputs, status display	LED
Serial interface, number	3
Type of serial interface	2 x RS232/1 x RS485-A/422-A
Serial interface, connection system	Plug
Serial interface, transmission rate	Can be set using 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 COM1 (4.8 kB), COM2 (38.4 kB), COM3 (230.4 kB) Master SIO, COM1 (4.8 kB), COM2 (38.4 kB), COM3 (230.4 kB) Configurable via software
IO-Link, Port class	Device A Master B
IO-Link, Number of ports	Device 1 Master 1
IO-Link, Process data length OUT	Master parameterisable 2 - 32 bytes
IO-Link, Process data length IN	Master parameterisable 2 - 32 bytes
IO-Link, Min. cycle time	Device 3.2 ms Master 5 ms
IO-Link, Data storage provided	2 kB/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-to-operate indicator	L+ LED green on L+ LED green off
Fieldbus interface	CAN bus
Field bus interface, connection system	Plug Sub-D 9-pin
Field bus interface, transmission rate	125, 250, 500, 800, 1000 kbit/s Can be set using software
Field bus interface, electrical isolation	Yes
USB-interface	USB 1.1
Ethernet, plug connector	RJ45
Ethernet, number	1
Ethernet, data transmission rate	10/100 Mbit/s
Ethernet, supported protocols	OPC-UA TCP/IP, EasyIP, Modbus TCP
Incremental encoder inputs, number	1
Incremental encoder inputs, resolution	32 bits
Incremental encoder inputs, signal range	5 V differential (RS422)
Incremental encoder inputs, max. input frequency	1000 kHz
Incremental encoder inputs, encoder power supply	5 V DC (100 mA)
Programming software	CODESYS V3
Programming language	To IEC 61131-3

Feature	Value
	LDR IL ST FBD AS
CE mark (see declaration of conformity)	To EU EMC Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Certificate issuing authority	UL E239998-D1001