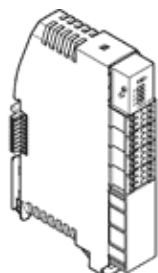


# counter module CPX-E-1CI

Part number: 4827505

FESTO



## Data sheet

Feature	Value
Dimensions W x L x H	18,9 mm x 76,6 mm x 124,3 mm
Grid dimension	18.9 mm
Mounting type	with top-hat rail
Product weight	88 g
Assembly position	Vertical Horizontal
Ambient temperature	-5 ... 50 °C
Note on ambient temperature	-5 - 60°C for vertical installation
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection class	IP20
Corrosion resistance classification CRC	0 - No corrosion stress
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27
PWIS conformity	VDMA24364 zone III
CE symbol (see declaration of conformity)	according to EU-EMV guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Authorization	RCM Mark c UL us - Listed (OL)
Certificate issuing department	UL E239998
Materials note	Conforms to RoHS
Material housing	PA
Material screws	Galvanized steel
Diagnostics via LED	Encoder supply error Error per module Encoder error Encoder normal operation Encoder supply normal operation Status per channel
Diagnostics via bus	Measuring system error Short circuit/overload in sensor supply Parameter error Monitoring of wire break Monitoring of zero pulse Monitoring of tracking error
Maximum address volume for inputs	12 Byte
Maximum address volume for outputs	2 Byte
Module parameters	Signal type/encoder type Signal evaluation Monitoring of cable break

Feature	Value
	Monitoring of tracking error Monitoring of zero pulse Pulse/zero pulse Latching signal Latching event Latching response Upper count limit Lower count limit Load value Debounce time for digital inputs Integration time for speed measurement Internal Revision ID
Channel parameters	Signal extension
Power supply, function	Encoder supply
Power supply, type of connection	Terminal strip
Power supply, connection technology	Cage clamp terminal
Power supply, number of pins/wires	6
Nominal operating voltage DC for electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	± 25 %
Power supply, conductor diameter	0.2 ... 1.5 mm <sup>2</sup>
Power supply, note on conductor diameter	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without wire end sleeves
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 15 mA
Power failure buffering	10 ms
Polarity protected	24 V sensor supply against 0 V sensor supply
Electrical connection, input, function	Digitaleingang
Electrical connection, input, connection type	2x terminal strips
Electrical connection, input, connection technology	Cage clamp terminal
Electrical connection, input, number of pins/wires	6
Electrical connection for input, conductor cross section	0.2 ... 1.5 mm <sup>2</sup>
Electrical connection for input, note on conductor cross section	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without wire end sleeves
Electrical connection for input 2, function	Clock pulse input
Electrical connection for input 2, connection type	Terminal strip
Electrical connection for input 2, connection technology	Cage clamp terminal
Electrical connection for input 2, number of pins/wires	6
Electrical connection for input 2, connection pattern	00995848
Electrical connection for input 2, conductor cross section	0.2 ... 1.5 mm <sup>2</sup>
Electrical connection for input 2, note on conductor cross section	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without wire end sleeves
No. of inputs	4
Input characteristics	to IEC 61131-2, type 3
Switching level	Signal 0: ≤ 5 V Signal 1: ≥ 11 V
Input circuit logic	PNP (positive-switching) 2-wire sensors to IEC 61131-2 3-wire sensors to IEC 61131-2
Input debounce time	0,02 ms 0,1 ms 3 ms
Behaviour after end of overload of the sensor supply	Automatic return
Max. residual current inputs per module	1.8 A
Electrical isolation channel – channel	No
Electrical isolation channel – internal bus	No
Protection (short circuit)	Internal electronic fuse protection per module