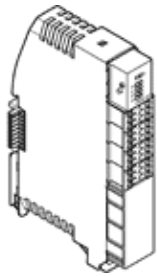


counter module CPX-E-1CI

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
No. of inputs	4
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
Module parameters	Signal type/encoder type Signal evaluation Monitoring of cable break Monitoring of tracking error Monitoring of zero pulse Pulse/zero pulse Latch signal Latch event Latch 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
Input debounce time	0,02 ms 0,1 ms 3 ms
Protection (short circuit)	Internal electronic fuse protection per module
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 15 mA
Max. residual current inputs per module	1.8 A
Nominal operating voltage DC for electronics/sensors	24 V
Power failure buffering	10 ms
Electrical isolation channel – internal bus	No
Electrical isolation channel – channel	No
Switching level	Signal 0: ≤ 5 V Signal 1: ≥ 11 V
Permissible voltage fluctuations for electronics/sensors	± 25 %
Power supply, function	Encoder supply

Feature	Value
Power supply, type of connection	Terminal strip
Power supply, connection technology	Cage clamp terminal
Power supply, number of pins/wires	6
Power supply, conductor diameter	0.2 ... 1.5 mm ²
Power supply, note on conductor diameter	0.2 - 2.5 mm ² for flexible conductors without wire end sleeves
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC
Vibration resistance	Transport application test at severity level 1 in accordance with 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
Corrosion resistance classification CRC	0 - No corrosion stress
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection class	IP20
Ambient temperature	-5 ... 50 °C
Note on ambient temperature	-5 - 60°C for vertical installation
Product weight	88 g
Maximum address volume for outputs	2 Byte
Maximum address volume for inputs	12 Byte
Input characteristics	to IEC 61131-2, type 3
Input circuit logic	PNP (positive-switching) 2-wire sensors to IEC 61131-2 3-wire sensors to IEC 61131-2
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 ²
Electrical connection for input, note on conductor cross section	0.2 - 2.5 mm ² for flexible conductors without wire end sleeves
Electrical connection for input 2, function	Counter 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 ²
Electrical connection for input 2, note on conductor cross section	0.2 - 2.5 mm ² for flexible conductors without wire end sleeves
Mounting type	with top-hat rail
Materials note	Contains PWIS substances Conforms to RoHS
Material housing	PA