

Bus node
CTEU-PN-EX1C
 Part number: 8107589

FESTO



 General operating condition

Data sheet

Feature	Value
Protocol	PROFINET
Dimensions (W x L x H)	40 x 91 x 50 mm
Grid dimension	40 mm
Type of mounting	On electrical interface On electrical sub-base
Product weight	93 g
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-20 °C ... 70 °C
Degree of protection	IP65 IP67
Note on degree of protection	In assembled state Unused connections sealed
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Approval	RCM trademark c UL us listed (OL)
Explosion protection	Class I, Div. 2 (CA) Class I, Div. 2 (US) Class II, Div. 2 (CA) Class II, Div. 2 (US) Zone 0 (BR) Zone 2 (ATEX) Zone 2 (CA) Zone 2 (CN) Zone 2 (IEC-EX) Zone 2 (KR) Zone 2 (UKEX) Zone 2 (US) Zone 22 (ATEX) Zone 22 (BR) Zone 22 (CA) Zone 22 (CN) Zone 22 (IEC-EX) Zone 22 (KR) Zone 22 (UKEX) Zone 22 (US)
ATEX category gas	II 3G
ATEX category dust	II 3D

Feature	Value
Explosion protection certification outside the EU	Class I, Div. 2 (CA) Class I, Div. 2 (US) Class II, Division 2 (CA) Class II, Div. 2 (US) Class III (CA) Class III (US) EPL Dc (BR) EPL Dc (CA) EPL Dc (CN) EPL Dc (GB) EPL Dc (IECEX) EPL Dc (KR) EPL Dc (US) EPL Ga (BR) EPL Gc (CA) EPL Gc (CN) EPL Gc (GB) EPL Gc (IECEX) EPL Gc (KR) EPL Gc (US)
Explosion ignition protection type for gas	Ex ec IIC Gc X
Explosion ignition protection type for dust	Ex tc IIIC T135°C Dc X
Certificate issuing authority	DNV 23.0350 X/00 IBExU16ATEXB021 X IECEX IBE 19.0018 X KTL 24-KA4BO-0392X KTL 24-KA4BO-0393X KTL 24-KA4BO-0394X KTL 24-KA4BO-0395X NEPSI GYJ19.1188X SITIIAS CCC 202032230700686 UL E239998
Note on materials	RoHS-compliant
Material housing	PA
LED display, product-specific	PS: Operating voltage for electronics and load supply X1: System status of module at I-Port 1 X2: System status of module at I-Port 2
LED display, bus-specific	NF: Network fault TP1: Network active port 1 TP2: Network active port 2
Diagnosis	Communication fault System diagnostics Undervoltage
Fieldbus interface	Ethernet
Field bus, protocol	PROFINET RT
Fieldbus interface, function	Bus connection incoming/outgoing
Field bus, connection type	2x socket
Field bus, connection system	M12x1, D-coded to EN 61076-2-101
Fieldbus interface, connection pattern	00995716
Field bus, connection pattern	4
Field bus interface, electrical isolation	yes
Field bus interface, transmission rate	100 Mbit/s
Max. address volume, inputs	64 Byte
Max. address volume, outputs	64 Byte
Internal cycle time	1 ms per 1 byte of user data
Configuration support	GSDML file
Additional functions	Conformance class C Fast start-up (FSU) LLDP MRP PROFINET IRT PROFInergy SNMP Shared device Web servers

Feature	Value
Power supply, function	Electronics and load
Power supply, connection type	Plugs
power supply, connection system	M12x1, A-coded according to EN 61076-2-101
Power supply, connection pattern	00995383
Power supply, number of pins/wires	5
Operational voltage range DC	18 V ... 30 V
Nominal operating voltage DC	24 V
Max. power supply	4 A
Intern power consumption nominal operating voltage	Typ. 80 mA