

# Bus node CTEU-EP-EX1C

Part number: 8107591



 [General operating condition](#)

## Data sheet

Feature	Value
Protocol	EtherNet/IP Modbus® TCP
Dimensions W x L x H	40 mm x 91 mm x 50 mm
Product weight	98 g
Ambient temperature	0 °C ... 50 °C
Storage temperature	-20 °C ... 70 °C
Degree of protection	IP65 IP67
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364 Zone III
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Certification	RCM compliance mark c UL us - Listed (OL)
Explosion prevention and 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 for dust	II 3D

Feature	Value
Explosion protection certification outside the EU	Class I, Div. 2 (CA) Class I, Div. 2 (US) Class II, Div. 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 (IEC-EX) EPL Dc (KR) EPL Dc (US) EPL Ga (BR) EPL Gc (CA) EPL Gc (CN) EPL Gc (GB) EPL Gc (IEC-EX) EPL Gc (KR) EPL Gc (US)
Type of ignition protection for gas	Ex ec IIC Gc X
Type of (ignition) protection for dust	Ex tc IIIC Dc X
Explosive ambient temperature	-5°C ≤ Ta ≤ +50°C
Certificate issuing authority	DNV 23.0350X/00 IECEX IBE 17.0003 X KTL 24-KA4BO-0392X KTL 24-KA4BO-0393X KTL 24-KA4BO-0394X KTL 24-KA4BO-0395X NEPSI GY19.1188X SITIIAS CCC 202032230700686 UL E239998
Note on materials	RoHS compliant
Housing material	PA
LED display (product-specific)	PS: operating voltage for electronics and load supply X1: module system status at I-Port 1 X2: module system status at I-Port 2
LED display (bus-specific)	NS: Network status TP1: Network active port 1 TP2: Network active port 2
Diagnostics	Communication error System diagnostics Undervoltage
Control elements	DIL switch
Fieldbus interface	2x socket, M12x1, 4-pin, D-coded
Max. address capacity inputs	64 byte
Max. address capacity outputs	64 byte
Parameterization	Diagnostic behavior Fail-safe and idle response
Baud rate	10/100 mbps
Internal cycle time	1 ms per 1 byte of user data
Configuration support	EDS file
Additional functions	IP addressing via DHCP, DIL switch, fieldbus or FFT Integrated switch Ring network (DLR) SNMP Start-up parameterization in plain text via fieldbus System status can be indicated via process data Web server
DC operating voltage range	18 V ... 30 V
Nominal operating voltage DC	24 V
Max. power supply	4 A
Intrinsic current consumption at nominal operating voltage	Type. 65 mA