

IE-CS-2TX-1RS232/485**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Serial/Ethernet converter with 1 or 2 ports for industrial automation**

- Improved surge protection for serial, LAN and supply ports
- Sturdy screw-on terminal blocks for the power supply and serial connectors
- Easy cabling with cascading Ethernet ports
- Redundant DC power supply inputs
- Warnings via relay output and e-mail
- Minimal power consumption

General ordering data

| | |
|------------|---|
| Version | Serial / Ethernet converter, 2x RJ45, 1x DB9 for RS-232, 1x terminal block for RS-422/485, IP30, 0 °C...60 °C |
| Order No. | 1242080000 |
| Type | IE-CS-2TX-1RS232/485 |
| GTIN (EAN) | 4050118030266 |
| Qty. | 1 pc(s). |

Creation date December 28, 2022 12:45:43 PM CET

Catalogue status 16.12.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Depth | 105 mm | Depth (inches) | 4.134 inch |
| Height | 140 mm | Height (inches) | 5.512 inch |
| Width | 36 mm | Width (inches) | 1.417 inch |
| Net weight | 475 g | | |

Temperatures

| | | | |
|---------------------|----------------------------|-----------------------|--------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | 0 °C...60 °C |
| Humidity | 5 to 95 % (non-condensing) | | |

EMC conformity and approvals

| | | | |
|---------------|---|---------------------|---|
| EMC standards | FCC Part 15 Subpart B Class A, EN 55022 Class A, EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), level 4, EN 61000-4-5 (Surge), Stage 3, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8, EN 61000-4-11 | Explosive risk zone | UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T3 Gc |
| Free fall | According to IEC 60068-2-32 | Safety standard | UL508 |
| Shock | according to IEC 60068-2-27 | Vibration | according to IEC 60068-2-6 |

Environmental conditions

| | | | |
|-----------------------------|----------------------------|-----------------------------|-------|
| Humidity | 5 to 95 % (non-condensing) | Operating temperature, max. | 60 °C |
| Operating temperature, min. | 0 °C | Storage temperature, max. | 85 °C |
| Storage temperature, min. | -40 °C | | |

Guarantee

| | |
|---------------|---------|
| Time interval | 5 years |
|---------------|---------|

Interfaces

| | | | |
|---------------------------|---|-------------------------------|---|
| Ethernet cable protection | 1 kV (Level 2) surge protection | Ethernet ports | 2 |
| Interface standards | RS-232/422/485 | Magnetic isolation protection | 1.5 kV built-in |
| RJ45 ports | 10/100BaseT(X), Auto MDI/MDI-X port | RS485 data direction control | ADDC® (automatic data direction control) |
| Serial cable protection | 15 kV ESD protection for all signals, 1 kV (Level 2) surge protection | Serial port | DB9 RS-232, Terminal block for RS-422/485 |
| Serial ports | 1 | | |

MTBF

| | | |
|------|------------------------------|--------------------------|
| MTBF | According to Standard | Telcordia (Bellcore), GB |
| | Operating time (hours), min. | 262,805 h |

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Power supply

| | | | |
|----------------------|-----------------------------------|---------|--|
| Connection type | 1 removable 8-pole terminal block | | |
| Current consumption | Voltage | 12 V DC | |
| | Current | 0.22 A | |
| | Voltage | 24 V DC | |
| | Current | 0.11 A | |
| Voltage supply | 24 V DC, 2 redundant inputs | | |
| Voltage supply range | Voltage type | DC | |
| | Voltage, min. | 12 V | |
| | Voltage, max. | 48 V | |

Serial communication parameters

| | | | |
|--------------|--|-----------|----------------------------------|
| Baud rate | 50 bit/s to 921.6 kbit/s | Data bits | 5, 6, 7, 8 |
| Flow control | RTS/CTS and DTR/DSR (RS-232), XON/XOFF | Parity | none, straight, odd, Space, Mark |
| Stop bits | 1, 1.5, 2 | | |

Technical data

| | | | |
|-----------------------|-------|-------------------|------|
| Housing main material | metal | Protection degree | IP30 |
| Type of mounting | Rail | | |

Reliability

| | | | |
|----------------|-------------------------|-------------------------|-------------------------------|
| Alarm function | Built-in buzzer and RTC | Auto restart on failure | Built-in Watchdog Timer (WDT) |
|----------------|-------------------------|-------------------------|-------------------------------|

Software

| | | | |
|-------------------------|--|------------------|---|
| Configuration options | Web console, serial console, Telnet console, Windows utility | Network protocol | ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet, Rtelnet, DNS, SNMP, HTTP, SMTP, SNMP, IGMP |
| Windows Real COM driver | Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8 x86/x64, 2012 x64 | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000310 | ETIM 7.0 | EC000310 |
| ETIM 8.0 | EC000310 | ECLASS 11.0 | 19-17-01-32 |
| ECLASS 12.0 | 19-17-01-32 | | |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 9229992a-00b9-4096-8962-200a7f33e289 |

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Technical data**Approvals**

Approvals



| | |
|---------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E141197 |
| Certificate no. (cULusEX) | E223527 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | ATEX certificate KC certificate EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Software | Software – S/E-Converter Administration Tool Firmware – Firmware Version 1.0.6 Driver – Real TTY Driver for Linux (Linux 2.x) Driver – Real TTY Driver for Linux (Linux 3.x, 4.x) |
| User Documentation | Hardware Installation Guide Manual |
| Catalogues | Catalogues in PDF-format |
| Brochures | |