

## IE-CST-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, Number of ports: 2x RJ45 10/100BASE-T(X), 1x DB9 for RS-232, 1x terminal block for RS-422/485, IP30, -40 °C...75 °C |
| Order No.  | <a href="#">1285830000</a>                                                                                                                                                                                     |
| Type       | IE-CST-2TX-1RS232/485                                                                                                                                                                                          |
| GTIN (EAN) | 4050118076639                                                                                                                                                                                                  |
| Qty.       | 1 items                                                                                                                                                                                                        |

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## Technical data

## Approvals

Approvals



|                           |                            |
|---------------------------|----------------------------|
| ROHS                      | Conform                    |
| UL File Number Search     | <a href="#">UL Website</a> |
| Certificate no. (cULus)   | E141197                    |
| Certificate no. (cULusEX) | E223527                    |

## Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 105 mm | Depth (inches)  | 4.1338 inch |
| Height     | 140 mm | Height (inches) | 5.5118 inch |
| Width      | 36 mm  | Width (inches)  | 1.4173 inch |
| Net weight | 475 g  |                 |             |

## Temperatures

|                     |                            |                       |                |
|---------------------|----------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C             | Operating temperature | -40 °C...75 °C |
| Humidity            | 5 to 95 % (non-condensing) |                       |                |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c, 7a, 7cl                          |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 9229992a-00b9-4096-8962-200a7f33e289 |

## EMC conformity and approvals

|                     |                                                                                                                                                                                                                                    |                 |                             |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|
| 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 |
| EMC standards       | EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-5 (surge), EN 61000-4-5 (surge voltage), Stage 3, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8, EN 61000-4-11, EN 55032, EN 55035, FCC Part 15, Section B, Class A | Vibration       | according to IEC 60068-2-6  |
| Shock               | according to IEC 60068-2-27                                                                                                                                                                                                        | Safety standard | UL508, EN 62368-1           |

## Environmental conditions

|                             |                            |                             |        |
|-----------------------------|----------------------------|-----------------------------|--------|
| Operating temperature, max. | 75 °C                      | Operating temperature, min. | -40 °C |
| Humidity                    | 5 to 95 % (non-condensing) | Storage temperature, max.   | 85 °C  |
| Storage temperature, min.   | -40 °C                     |                             |        |

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### Guarantee

Time interval 5 years

### Interfaces

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

### MTBF

|      |                              |                          |
|------|------------------------------|--------------------------|
| MTBF | According to Standard        | Telcordia (Bellcore), GB |
|      | Operating time (hours), min. | 262805 h                 |

### Power supply

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

### Serial communication parameters

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

### Technical data

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

### Technology

Flow control RTS/CTS and DTR/DSR (RS-232), XON/XOFF

### Reliability

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

**Technical data****Software**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000310    | ETIM 9.0    | EC000310    |
| ETIM 10.0   | EC000310    | ECLASS 14.0 | 19-17-01-32 |
| ECLASS 15.0 | 19-17-01-32 |             |             |

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## Accessories

### Mounting kit for 19" rack assembly

- For assembling DIN rail-based devices on 19" racks



#### General ordering data

|            |                            |                           |  |
|------------|----------------------------|---------------------------|--|
| Type       | RM-KIT                     | Version                   |  |
| Order No.  | <a href="#">1241440000</a> | Kit for 19"-rack mounting |  |
| GTIN (EAN) | 4050118029154              |                           |  |
| Qty.       | 1 ST                       |                           |  |

### Ethernet



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE+ (according to IEEE 802.3at, IEEE 802.3bt Type 3 and 4)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

#### General ordering data

|            |                            |                                                                                                                                    |  |
|------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|--|
| Type       | VDATA CAT6                 | Version                                                                                                                            |  |
| Order No.  | <a href="#">1348590000</a> | Terminal rail fixing, Surge protection, Cat.6, PoE, 802.3 bt at Type 1, 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4 |  |
| GTIN (EAN) | 4050118153002              |                                                                                                                                    |  |
| Qty.       | 1 ST                       |                                                                                                                                    |  |