

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, 2x DB9 for RS-232/422/485, IP30, -40 °C...75 °C
Order No.	<a href="#">1285840000</a>
Type	IE-CST-2TX-2RS232/485
GTIN (EAN)	4050118076431
Qty.	1 pc(s).

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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	485 g		

**Temperatures**

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

**EMC conformity and approvals**

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	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, EN 62368-1
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.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

**Guarantee**

Time interval	5 years
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**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 for RS-232/422/485
Serial ports	2		

**MTBF**

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

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**Technical data****Power supply**

Connection type	1 removable 8-pole terminal block		
Current consumption	Voltage	12 V	
	Current	0.25 A	
	Voltage	24 V	
	Current	0.125 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		

**Technology**

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

Alarm function	Built-in buzzer and RTC	Auto restart on failure	Built-in Watchdog Timer (WDT)
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**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	ETIM 9.0	EC000310
ECLASS 11.0	19-17-01-32	ECLASS 12.0	19-17-01-32
ECLASS 13.0	19-17-01-14	ECLASS 14.0	19-17-01-32

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## Technical data

## Environmental Product Compliance

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

## Approvals

Approvals



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

## Downloads

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

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**Accessories****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,
GTIN (EAN)	4050118153002	802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4
Qty.	1 pc(s).	

**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 pc(s).	