

TX400 HMI/PLC Product Series

7" Display — CODESYS V3 PLC with TARGET and WEB VISU

High-Quality Plastic Housing and Front Film with Capacitive Touch

TX407-P3CV01

Type	TX407-P3CV01
ID	100051168
Display/touch	
Display	TFT colour
Touchscreen	Capacitive
Active screen area	7"
Resolution (pixels)	1024 × 600 pixels WSVGA
Format	16:9
Brightness	400 cd/m² typ.
dimmmable	Yes, To 0 %
Controller	
Processor	64-bit RISC, Quad core 1.6 GHz
Memory	4 GB Flash
RAM memory	2048 MB
Add-on memory	1 x USB host port
Real time clock	Yes (battery-buffered)
PLC data	
Programming	CODESYS V3
Released for CODESYS version	V 3.5.19.20
Programming languages	IEC 61131-3 (IL, LD, FBD, SFC, ST)
Programming interface	Ethernet
Program memory	20000 kByte
Non-volatile memory	63 kByte
Interfaces	
Onboard	2 × RJ45 Ethernet, 1 × CAN, 1 × RS232/RS485/RS422, 1 × USB host, 1 × power supply
Ethernet	ETH0 - 10/100 Mbit ETH1 - 10/100 Mbit
Protocols	PROFINET (Controller/Device) EtherNet/IP (Scanner/Adapter) Modbus TCP (Server/Client) EtherCAT (MainDevice)
Fieldbus	Modbus RTU (Server/Client) CANopen (Server)
USB	1 × host port
Serial	1x RS232 / RS485 / RS422, 1x CAN
Power supply	
Rated value	24 VDC, max. 0.9 A
Admissible voltage range	10...32 VDC



- 2 separate RJ45 Ethernet ports
- 1 serial interface (RS232/RS422/RS485)
- 1 CAN interface
- 1 USB host port

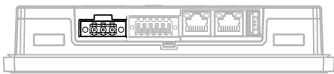
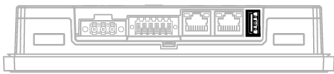
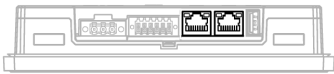
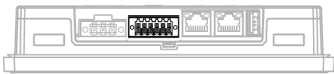
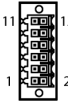
General data

Operating ambient conditions	-20...55 °C, 5...85 % relative humidity, non-condensing
Storage ambient conditions	-30...70 °C, 5...85 % relative humidity, non-condensing
Approvals	CE cULus
Protection class	IP66 front, IP20 rear NEMA type: 12/4X

Dimensions

Front (W x H x D)	147 x 187 x 37 mm
Cut-out (W x H)	176 x 136 mm
Mounting depth	29+8 mm
Weight	approx. 0.7 kg

Connection and pin assignment

	Power Supply The power supply connector is supplied with each device.	Pin assignment  1 = 24 VDC 2 = 0 V 3 = $\perp$
	USB Interface	Pin assignment  1 = 5 VDC 2 = D - 3 = D + 4 = GND
	Ethernet Ethernet ports ETH0 and ETH1 (10/100 Mbit) Ethernet cables (examples): RJ45 male connector–RJ45 male connector: RJ45S-RJ45S-4422-2M (ID: 6635218) RJ45 male connector–M12 male connector, 4-pin, D-coded: RSSD-RJ45S-4422-2M (ID: 6635170) RJ45 male connector–M8 male connector, 4-pin: PSGS4M-RJ45S-4422-2M (ID: 6635247) RJ45 male connector–M12 female receptacle, 4-pin, D-coded: RJ45-FKSDD-4414-2M (ID: 6935282)	Pin assignment  1 = TX + 2 = TX - 3 = RX + 4 = n.c. 5 = n.c. 6 = RX - 7 = n.c. 8 = n.c.
	Serial Interface The serial interface can be operated either as RS232, RS485 or RS422.	Pin assignment  1 = CAN - H 2 = CAN 120 Ohm 3 = CAN - CAN-L 4 = CAN - CAN-H 5 = CAN - GND 6 = CAN - SHIELD 7 = GND 8 = SHIELD 9 = RTS / CHA+ 10 = CTS / CHB+ 11 = TXD / CHA- 12 = RXD / CHB-

Accessories

Type code	Ident no.		Dimension drawing
TX700-MOUNT-10	100003189	TX700 mounting bracket and power connectors for 10" devices	

Function accessories

Type code	Ident no.		Dimension drawing
TX-PSC	100002938	Power Supply Male Connector for TX HMI Devices	