

TX705-P3CV01

TX700 HMI/PLC product series
5" Display — CODESYS V3 PLC with TARGET and WEB VISU
High-quality metal housing and glass front with capacitive touch



Type designation	TX705-P3CV01
Ident-No.	100002029

Technical data

Application area	
Application area	Factory Automation
Power supply	
Admissible voltage range	10...32
Rated value	24 VDC, max. 0.6 A
Controller	
Processor	ARM Cortex A8, 1 GHz
Memory	4 GB Flash

Features

- 5" widescreen TFT color display
- LED backlight
- 800 × 480 pixel resolution
- 64K colors
- Capacitive touchscreen with glass front
- Two separate RJ45 Ethernet ports for 10/100 Mbit
- One serial interface (RS232, RS485, RS422)
- One USB host port
- One SD card slot

Technical data

RAM memory	512 MB
Add-on memory	1 x SD card slot, 1 x USB host port
Real time clock	Yes (battery-buffered)
PLC data	
Programming	CODESYS V3
Released for CODESYS version	V 3.5.12.10
Programming languages	IEC 61131-3 (IL, LD, FBD, SFC, ST)
Programming interface	Ethernet
Program memory	20000 kByte
Non-volatile memory	63 kByte
Interfaces	
Ethernet	2 x 10/100 Mbit
Expansion slot	One slot for up to two plug-in modules
Onboard	2 x RJ45 Ethernet, 1 x RS232/485/422, 1 x USB host, 1 x power supply, 2 x expansion slot
Onboard for selection	CANopen Master (via extension module)
Radio interface	Optionally expandable
Serial	RS232 / RS485 / RS422
USB	1 x host port
Mechanical data	
Dimensions	107 mm x 147 mm x 52 mm
Front (W x H x D)	147 mm x 107 mm x 52 mm
Cut-out (W x H)	136 mm x 96 mm
Mounting depth	52+8 mm
Ambient conditions	
Operating ambient conditions	-20...60 °C, 5...85 % relative humidity, non-condensing
Storage ambient conditions	-30...70 °C, 5...85 % relative humidity, non-condensing
Protection class	IP66 front, IP20 rear, NEMA type: 12/4X
Displays/controls	
Display	TFT colour
Touchscreen	Capacitive, Glass front
Active screen area	5 "
Resolution (pixels)	800 x 480 Pixel WVGA
Format	16:9

Technical data

Brightness	300 Cd/m² typ.
Dimmable	Yes, To 0 %
Comments	
Packaging unit	1

Mounting accessories

TX700-MOUNT-07	100003188
TX700 mounting brackets and power connectors for 5" to 7" devices	

Functional accessories

TX-IO-XX03	6828201	TX-IO-DX06	6828203
Plug-in I/O module — 20 DI, 12 DO, 4 AI (U/I/RTD/TC), 4 AO (U/I)		Plug-in I/O module — eight DI, six DO, one relay output (NO)	
TX-EXTEND	100004786	TX-DP-S	100010167
Plug-in extension module for mechanical adaptation for using the TX-IO-XX03 module		Plug-in PROFIBUS DP slave interface, 9-pin SUB-D female connector	
TX-CAN	6828210	TX-RS485	100002598
Plug-in CANopen interface, 9-pin SUB-D male connector		Plug-in interface for RS485/RS422, 9-pin SUB-D female connector	
TX-RS232	100002599	TX-LTE-WLAN	100025179
Plug-in interface for RS232, 9-pin SUB-D female connector		Plug-in LTE and Wi-Fi modem with LTE/UMTS/GSM, Wi-Fi and GNSS	
TX-PSC	100002938		
Male power connector for TX HMI devices			

Connection accessories - network

RJ45S-RJ45S-4422-2M	6635218
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