TXF700 HMI Product Series in IP67
5" Display with TX VisuPro Runtime
Metal Housing with full IP67 Protection, Glass Front with Capacitive Touch
TXF705-00VPST



- **5" TFT wide screen color display**
- **LED backlight**
- **800 × 480 pixel resolution**
- **16 M colors**
- **Capacitive touch screen, multi-touch and gesture control**
- **1 RJ45 PoE Ethernet Port 10/100 Mbps**
- **1 USB host port**
- **Integrated temperature sensor and 3-axis accelerometer**
- **Front RGB LED**
- **Integrated beeper**

Type designation	TXF705-00VPST
Ident no.	100017839
Display / Touch	
Display	TFT colour
Touchscreen	Capacitive, Glass front
Active screen area	5″
Resolution (pixels)	800 × 480 WVGA
Format	16:9
Brightness	300 Cd/m² typ.
dimmable	yes,To 0 %
Controller	
Processor	ARM Cortex A9, Dual-core 800 MHz
Memory	4 GB Flash
RAM memory	1 GB
Real time clock	Yes (battery-buffered)
Interfaces	
Ethernet	1 × RJ45 PoE 10/100 Mpbs
USB	1 × host port (special cable required)
Power over Ethernet	
PoE standard	IEEE 802.3af (PoE)
Power supply	
Power consumption	≤ 6 W
General data	
Operating ambient conditions	-20…55 °C, 5…85 % relative humidity, non-condensing
Storage ambient conditions	-30…80 °C, 5…85 % relative humidity, non-condensing
Approvals	CE cULus
Ex approval	Haz. Loc. Class I, Division 2, Groups A,B,C and D
Protection class	IP67
Dimensions	
Front (W x H x D)	148.3 x 105.1 x 16.5 mm
Mounting depth	17 mm
Weight	approx. 0.5 kg

Edition • 2021-04-09T08:24:23+02:00

TXF700 HMI Product Series in IP67
5" Display with TX VisuPro Runtime
Metal Housing with full IP67 Protection, Glass Front with Capacitive Touch
TXF705-00VPST

Connection and pin assignment

	Ethernet Ethernet port with 10/100 Mbps The special M22 PoE cables (see accessories) must be used for IP67 protection	Pin Assignment  1 = TX + 2 = TX – 3 = RX + 4 = n.c. 5 = n.c. 6 = RX – 7 = n.c. 8 = n.c.

Edition • 2021-04-09T08:24:23+02:00

TXF700 HMI Product Series in IP67
5" Display with TX VisuPro Runtime
Metal Housing with full IP67 Protection, Glass Front with Capacitive Touch
TXF705-00VPST

Accessories

Type code	Ident no.	Description	Dimension drawing
TXF-MT-01	100020090	Pipe support for TXF705, 707 and 710	
TXF-MT-03	100020092	Wall Bracket for TXF705, 707 and 710	
TXF-MT-05	100022475	Multi-Purpose Bracket with Cable Gland for TXF705, 707 and 710	
TXF-MV-01	100020096	VESA Bracket for TXF700	
TXF-MV-02	100020097	VESA Adapter Plate for TXF700	

Edition • 2021-04-09T08:24:23+02:00

TXF700 HMI Product Series in IP67
5" Display with TX VisuPro Runtime
Metal Housing with full IP67 Protection, Glass Front with Capacitive Touch
TXF705-00VPST

Accessories

Type code	Ident no.	Description	Dimension drawing
TXF-TABLE-01	100020098	Table Stand for TXF700	
TXF-MG-01	100020094	Gooseneck Mount for TXF705, 707 and 710	
TXF-M22W-RJ45-5M	100020099	PoE connection cable, M22 angled to RJ45, 5 m	
TXF-M22G-RJ45-5M	100020100	PoE connection cable, M22 straight to RJ45, 5 m	
TXF-M22G-RJ45-5M-USB-1M	100020101	PoE connection cable, M22 straight to RJ45, 5 m, USB jack 1 m	

Edition • 2021-04-09T08:24:23+02:00

TXF700 HMI Product Series in IP67
5" Display with TX VisuPro Runtime
Metal Housing with full IP67 Protection, Glass Front with Capacitive Touch
TXF705-00VPST

Accessories

Type code	Ident no.	Description	Dimension drawing
TXF-M22G-M22G-5M	100020102	PoE connection cable, M22 straight to M22 straight, 5 m	
TXF-M22-TOOL	100020103	Tightening tool for M22 PoE cables	

Function accessories

Type code	Ident no.	Description	Dimension drawing
PSU20-POE-36W01	100017850	PoE injector (DIN rail), max. 36 W PoE output power	
PSU20-POE-36W02	100017852	PoE injector (M22 receptacle for IP67 connection), max. 36 W PoE output power	

Edition • 2021-04-09T08:24:23+02:00

 Hans Turck GmbH & Co.KG ● D-45472 Mülheim an der Ruhr ● Witzlebenstraße 7 ● Tel. 0208 4952-0 ● Fax 0208 4952-264 ● more@turck.com ● www.turck.com