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TP057N

TP057N

MMI SYSTEM FOR DISPLAY, OPERATION AND AS COMMUNICATION MASTER WITH 5.7" COLOUR DISPLAY AS TOUCH SCREEN

Control and display unit as a master for controlling and operating an entire system

- With TROXNETCOM Basic User Software for rapid and safe commissioning and configuration
- Touch display as communication master for 28 controller and power units
- High-quality touch display in four sizes: 4.3", 5.7", 10.4" and 12.1"
- Integration with higher-level systems via Modbus or BACnet/ip interface (no additional effort required)
- For automated function tests including logging
- Display of all system status values
- PLC also for safety related control according to SIL

Application

Application

- 5.7" MMI system for display and operation, also as communication master for up to 28 AS-i controllers TNC-A1305/06
- ModBus RTU/TCP and BACnet/IP interfaces for integration with the central BMS
- With TNC Basic User Software

TECHNICAL INFORMATION

Description	TP057N
Display	TFT (colour)
Operation	Touch screen
Resolution	320 × 240 pixels
Display angle vertical/horizontal	135/150°
Display area B × H	115.2 × 86.4 mm
Diagonal	5.7″
Casing	Galvanised sheet steel
Front material	Aluminium, anodised (natural colour)
Front B × H × T	203 × 147 × 5 mm
Cut-out B × H	195 × 139 mm
Installation depth without plug attached	Approx. 49 mm
Protection level	Front IP 65, back IP 20
Total weight	Approx. 1000 g
Interfaces	RS232, TTY, USB, Ethernet and field bus interface PROFIBUS DP master
Memory	1 GB flash, 128 MB flash SDRAM, 1 MB SRAM, battery pack
Temperature range for operation	0 to 50 °C
Temperature range for storage	–25 to 70 °C
Rel. humidity for operation and storage	20 – 85 %, non-condensing
Supply voltage	24 V DC (SELV/PELV to EN 61131)
Residual ripple	Max. 10 %
Minimum voltage	18 V
Maximum voltage	30 V
Current consumption (typically 24 V)	0.5 A
Current consumption (max.)	0.8 A
Power required	12 W
EMC immunity	EN 61000-4-2 to 4-6
Vibration	EN 60068-2-6
Shock	EN 60068-2-27

Standard description (characteristics)

MMI system for display, operation and as communication master

- 5.7 " colour display, touch screen
- Interfaces: ModBus RTU/TCP and BACnet/IP interfaces for integration with the central BMS
- With Basic User Software for controlling and for the display of all system status values
- Automatic recognition of TROX modules and their functions
- Network control
- Automatic functional test, including documentation
- Real time clock
- 4 digital inputs/outputs, interfaces COM2=RS485, COM1=RS232, Ethernet, USB
- Dimensions of front panel (B × H × T): 230 × 147 × 5 mm
- Protection level: Front IP 65; back IP 20
- Supply voltage 24 V DC
- Make: TROX GmbH or equivalent
- Typ: TP057N

TP043N

1 **Master and display**

units

TP043N	Display 4.3"
TP057N	Display 5.7"
TP104N	Display 10.4"
TP121N	Display 12.1"