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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" |