

# TPE070ACW/107060020 S00125 - Touch panel



2401564

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Rugged-Touch panel, 17.8 cm / 7"-TFT display (Projective-capacitive, single-touch control), 800 x 480 pixel(s) (WVGA), 16.7 million colors, Arm9™, 184 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® CE 5.0, TSvisRT, without bus system.

Similar figure

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2401564       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | DRCADZ        |
| GTIN                                 | 4055626309385 |
| Weight per piece (including packing) | 1,000 g       |
| Weight per piece (excluding packing) | 1,000 g       |
| Country of origin                    | DE            |

## Technical data

### Product properties

|              |                |
|--------------|----------------|
| Product type | Operator panel |
| Application  | Rugged         |

### Computer data

|                     |                                     |
|---------------------|-------------------------------------|
| Processor           | Arm9™, 184 MHz                      |
| Operating system    | Windows® CE 5.0                     |
| RAM                 | 128 MB SDRAM<br>512 KB NV           |
| Data storage system | NOR-Flash, 64 MB                    |
| Extras              | Integrated acoustic signal (buzzer) |

### Display

|                       |   |
|-----------------------|---|
| Display type          | 17.8 cm / 7"-TFT                            |
| Screen resolution     | 800 x 480 Pixel(s) (WVGA)                   |
| Touch technology      | Projective-capacitive, single-touch control |
| Display lighting type | LED   |
| Brightness            | 350 cd/m², typical (adjustable)             |
| MTBF                  | 50000 h                                     |
| Color spectrum        | 16.7 million colors                         |
| Reading angle left    | 70.00 °                                     |
| Reading angle right   | 70.00 °                                     |
| Reading angle top     | 60.00 °                                     |
| Reading angle bottom  | 60.00 °                                     |

### Interfaces

|                     |                                  |
|---------------------|----------------------------------|
| Interfaces          | 2x USB Host 2.0                  |
| Optional interfaces | none                             |
| Network             | 1 x Ethernet (10/100 Mbps), RJ45 |
| Bus system          | without bus system               |

### System properties

|               |         |
|---------------|---------|
| User software | TSvisRT |
|---------------|---------|

### Electrical properties

|                         |                   |
|-------------------------|-------------------|
| Service life of battery | 5 years (typical) |
|-------------------------|-------------------|

### Supply

|                             |               |
|-----------------------------|---------------|
| Power supply unit           | 24 V DC ±20 % |
| Typical current consumption | 0.5 A         |

### Real-time clock

|                |     |
|----------------|-----|
| Realtime clock | Yes |
|----------------|-----|

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## Mounting

|               |             |
|---------------|-------------|
| Mounting type | Bolt fixing |
|---------------|-------------|

## Material specifications

|                      |                             |
|----------------------|-----------------------------|
| Material front plate | Aluminum (natural anodized) |
| Housing material     | Steel sheet, zinc-plated    |

## Environmental and real-life conditions

### Ambient conditions

|   |                                  |
|---|----------------------------------|
| Degree of protection                    | IP67 (front), IP20 (back)        |
|   | NEMA 4X                          |
| Ambient temperature (operation)         | -20 °C ... 70 °C                 |
| Ambient temperature (storage/transport) | -30 °C ... 80 °C                 |
| Altitude                                | 4000 m                           |
| Permissible humidity (operation)        | 20 % ... 85 %                    |
| Shock                                   | 15g, according to IEC 60068-2-27 |
| Vibration (operation)                   | 1g, according to EN 60068-2-6    |

## Dimensions

### External dimensions

|                        |  |
|------------------------|--|
| Width / Height / Depth | 234 mm / 174 mm / 6 mm (Dimensions of the front plate) |
|------------------------|--|

### Installation dimensions

|                                     |   |
|-------------------------------------|---|
| Width / Height / Installation depth | 200 mm / 140 mm / 54 mm (Mounting cutout, depth with bus if bus system present in the device) |
|-------------------------------------|---|

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43211904 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |   |
|---|---|
| Fulfills EU RoHS substance requirements | Yes   |
| Exemption                               | 6(a), 6(a)-I, 6(b), 6(b)-II, 6(c), 7(a), 7(c)-I |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-15   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                      |
|-------------------------------------|----------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
|-------------------------------------|----------------------|

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