

# BTP 2043W - Touch panel



1050387

<https://www.phoenixcontact.com/us/products/1050387>

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Touch panel, 10.92 cm / 4.3"-TFT display (analog resistive), 480 x 272 pixel(s) (WQVGA), 16.7 million colors, Arm® Cortex®-A7, 528 MHz i.MX6 UL, 2x COM (RS-232/422/485), 1x USB 2.0, Typ A, 1x USB 2.0, Typ B, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, Visu+, without bus system.

## Your advantages

- Visu+ RT integrated as standard in all BTP 2000 devices
- Connection to all relevant control systems, thanks to a large number of available drivers
- Developed for basic applications with attractive price/performance ratio
- 3 display sizes in 16:9 format

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1050387       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DR17          |
| Product key                          | DRCEBC        |
| GTIN                                 | 4055626666587 |
| Weight per piece (including packing) | 328.9 g       |
| Weight per piece (excluding packing) | 324 g         |
| Customs tariff number                | 84715000      |
| Country of origin                    | IN            |

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## Technical data

### Notes

#### Note on application

|                     |                         |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

### Product properties

|              |                |
|--------------|----------------|
| Product type | Operator panel |
|--------------|----------------|

#### Computer data

|                     |                                   |
|---------------------|-----------------------------------|
| Processor           | Arm® Cortex®-A7, 528 MHz i.MX6 UL |
| Operating system    | Windows® Embedded Compact 7       |
| RAM                 | 512 MB DDR3 SDRAM                 |
| Data storage system | eMMC, 4 GB                        |
| Slots               | 1x SD                             |

#### Display

|                       |                                 |
|-----------------------|---------------------------------|
| Display type          | 10.92 cm / 4.3"-TFT             |
| Screen resolution     | 480 x 272 Pixel(s) (WQVGA)      |
| Touch technology      | analog resistive                |
| Display lighting type | LED                             |
| Brightness            | 350 cd/m², typical (adjustable) |
| MTBF                  | 25000 h                         |
| Color spectrum        | 16.7 million colors             |
| Reading angle left    | 70.00 °                         |
| Reading angle right   | 70.00 °                         |
| Reading angle top     | 50.00 °                         |
| Reading angle bottom  | 70.00 °                         |

### Interfaces

|            |                                  |
|------------|----------------------------------|
| Interfaces | 2x COM (RS-232/422/485)          |
|            | 1x USB 2.0, Typ A                |
|            | 1x USB 2.0, Typ B                |
| Network    | 1 x Ethernet (10/100 Mbps), RJ45 |
| Bus system | without bus system               |

### System properties

|               |       |
|---------------|-------|
| User software | Visu+ |
|---------------|-------|

### Electrical properties

#### Supply

|                             |               |
|-----------------------------|---------------|
| Power supply unit           | 24 V DC ±15 % |
| Typical current consumption | 0.17 A        |

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## Mounting

|               |                |
|---------------|----------------|
| Mounting type | Front mounting |
|---------------|----------------|

## Material specifications

|                      |         |
|----------------------|---------|
| Material front plate | Plastic |
| Housing material     | Plastic |

## Environmental and real-life conditions

### Ambient conditions

|                                          |                                |
|------------------------------------------|--------------------------------|
| Degree of protection                     | IP66 (front), IP20 (back)      |
| Ambient temperature (operation)          | 0 °C ... 50 °C                 |
| Ambient temperature (storage/transport)  | -20 °C ... 85 °C               |
| Permissible humidity (operation)         | 10 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 10 % ... 95 % (non-condensing) |
| Shock                                    | DIN EN 60068-2-27              |
| Vibration (operation)                    | DIN EN 60068-2-6               |

## Dimensions

### External dimensions

|                        |                                                       |
|------------------------|-------------------------------------------------------|
| Width / Height / Depth | 120 mm / 89 mm / 5 mm (Dimensions of the front plate) |
|------------------------|-------------------------------------------------------|

### Installation dimensions

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Width / Height / Installation depth | 111 mm / 80 mm / 31.5 mm (Installation cutout) |
|-------------------------------------|------------------------------------------------|

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1050387>



### EAC-RoHS

Approval ID: RU\*-DE\*35.B.00394/20



### EAC-RoHS

Approval ID: RU\*-DE\*35.B.00394/20



### cUL Listed

Approval ID: E196811



### UL Listed

Approval ID: FILE E 196811



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27330201 |
| ECLASS-15.0 | 27330201 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001412 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43211900 |
|-------------|----------|

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## Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Yes                                                                                                                                                                                                                               |
| Exemption                               | 7(a)                                                                                                                                                                                                                              |
| China RoHS                              |                                                                                                                                                                                                                                   |
| Environment friendly use period (EFUP)  | EFUP-50                                                                                                                                                                                                                           |
|                                         | 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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