

# BTP 2070W - Touch panel



1046666

<https://www.phoenixcontact.com/in/products/1046666>

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Touch panel with 17.8 cm/7" TFT-display (analog resistive), 800 x 480 pixel(s) (WVGA), 16.7 million colors, Arm<sup>®</sup> Cortex<sup>®</sup>-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<sup>®</sup> Embedded Compact 7 and user software: Visu+. (bus system: without)

## 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	1046666
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DRC
Product Key	DRCEBC
Catalog Page	Page 471 (C-6-2019)
GTIN	4055626642963
Weight per Piece (including packing)	688.5 g
Weight per Piece (excluding packing)	400 g
Customs tariff number	84714100
Country of origin	IN

## Technical Data

### Product properties

Product type	Operator panel
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### 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	17.8 cm/7" TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
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 °
Reading angle right	70 °
Reading angle top	50 °
Reading angle bottom	70 °

### Software

User software	Visu+
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### 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

### System properties

User software	Visu+
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### Electrical properties

#### Supply

Power supply unit	24 V DC ±15 %
Typical current consumption	0.4 A

### Mounting

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Mounting type	Front mounting
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## Material specifications

Housing material	Plastic
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## 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	186 mm / 138 mm / 5 mm (Dimensions of the front plate)
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### Installation dimensions

Width / Height / Installation depth	175 mm / 127 mm / 31 mm (Installation cutout)
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## Approvals



**EAC**

Approval ID: RU C-DE.A\*08.B01708



**cUL Listed**

Approval ID: FILE E 196811



**UL Listed**

Approval ID: FILE E 196811

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## Classifications

### ECLASS

ECLASS-11.0	27330201
ECLASS-12.0	27330201
ECLASS-13.0	27330201

### ETIM

ETIM 8.0	EC001412
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### UNSPSC

UNSPSC 21.0	43211900
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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## Accessories

### TOUCH PEN - Touch pen

2701379

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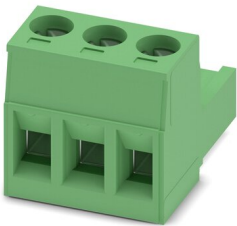
Touch pen for analog-resistive HMI, silver coated. Delivery includes self-adhesive pen holder.

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### MSTB 2,5/ 3-ST-5,08 - PCB connector

1757022

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PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MSTB 2,5/..-ST, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard

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