

## Touch panel - BTP 2070W - 1046666

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Touch panel with 17.8 cm/7" TFT-display (analog resistive (polyester)), 800 x 480 pixel(s) (WVGA), 262144 colors, Arm9™ i.MX28, 454 MHz, 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® CE 6.0 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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 642963
GTIN	4055626642963
Weight per Piece (excluding packing)	600.000 g
Custom tariff number	84714100
Country of origin	India

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Outer dimensions: width, height, depth	186 mm x 138 mm x 5 mm (Dimensions of the front plate)
Installation dimensions: width, height, depth	175 mm x 127 mm x 31 mm (Installation cutout)

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## Technical data

### Display

Display type	17.8 cm/7" TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	analog resistive (polyester)
Brightness	300 cd/m <sup>2</sup> , typical (adjustable)
Backlighting	LED
Display backlight MTBF	20000 h
Colors	262144 colors
Reading angle left	70 °
Reading angle right	70 °
Reading angle top	50 °
Reading angle bottom	70 °

### Computer data

Processor	Arm9™ i.MX28, 454 MHz
Operating system	Windows® CE 6.0
User software	Visu+
RAM	128 MB DDR2 SDRAM
Mass storage	Flash, 512 MB
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x COM (RS-232/422/485)
	1x USB 2.0, Typ A
	1x USB 2.0, Typ B
Bus system	without
Slots	1x SD

### General

Housing material	Plastic
Mounting type	Front installation
Weight	400 g

### 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)
Vibration (operation)	DIN EN 60068-2-6
Shock	DIN EN 60068-2-27

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## Technical data

### Device supply

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

### Standards and Regulations

Shock	DIN EN 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

## Classifications

### eCl@ss

eCl@ss 10.0.1	27330201
eCl@ss 11.0	27330201
eCl@ss 4.0	27330200
eCl@ss 4.1	27330200
eCl@ss 5.0	27330200
eCl@ss 5.1	27330200
eCl@ss 6.0	27242300
eCl@ss 7.0	27242302
eCl@ss 9.0	27330201

### ETIM

ETIM 4.0	EC001412
ETIM 6.0	EC001412
ETIM 7.0	EC001412

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

UL Listed / cUL Listed / cULus Listed

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### Approval details

# Touch panel - BTP 2070W - 1046666

## Approvals

EAC		RU C- DE.A*08.B01708
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## Accessories

### Accessories

#### Data plug

D-SUB gender changer - VS-09-GC-ST/ST - 1652651



D-SUB contact insert, shell size 1, with nine signal contacts, type of contact pin, gender changer, fixing with 4-40 UNC thread

#### Operating stylus

Touch pen - TOUCH PEN - 2701379



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

#### PCB plug

Printed-circuit board connector - MSTB 2,5/ 3-ST-5,08 - 1757022



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: Female connector, number of potentials: 3, Number of rows: 1, Number of positions per row: 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: CLASSIC COMBICON, Locking: without, mounting: without, type of packaging: packed in cardboard

#### Storage medium

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### Accessories

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB

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Memory - MICROSDHC-16GB - 1154696



Industrial grade 16 GB MicroSDHC 3DTLC

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Memory - MICROSDHC-32GB - 1154699



Industrial grade 32 GB MicroSDHC 3DTLC

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