PHŒNIX CONTACT

Touch panel - TP57AM/702000 S00003 - 2401081

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Touch panel with 14.5 cm/5.7" FSTN-display (analog resistive (polyester)), 320 x 240 pixel(s) (QVGA), 256-step grayscale, Arm9™, 200 MHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows CE 5.0 and user software: TSvisRT / TSDiag. (bus system: without)

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626096483
Weight per Piece (excluding packing)	690.000 g
Custom tariff number	84714100
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Outer dimensions: width, height, depth	168 mm x 126 mm x 5 mm (Dimensions of the front plate)
Installation dimensions: width, height, depth	160 mm x 118 mm x 54 mm (Mounting cutout, depth with bus if bus system present in the device)

Display

Display	14.5 cm/5.7" FSTN
Screen resolution	320 x 240 Pixel(s) (QVGA)
Touch technology	analog resistive (polyester)
Brightness	400 cd/m², typical (adjustable)
Backlighting	LED
Display backlight MTBF	40000 h
Colors	256-step grayscale
Reading angle left	75 °
Reading angle right	75 °

Touch panel - TP57AM/702000 S00003 - 2401081

Technical data

Display

Reading angle top	60 °
Reading angle bottom	75 °

Computer data

Processor	Arm9™, 200 MHz
Operating system	Windows® CE 5.0
User software	TSvisRT
	TSDiag
RAM	64 MB SDRAM
	512 KB SRAM
Mass storage	NOR-Flash, 32 MB
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB host 2.0
Bus system	without
Optional interfaces	none
Realtime clock	Yes
Service life of battery	5 years (typical)

General

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated
Mounting type	Front installation
Weight	690 g

Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
	NEMA 4X
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	20 % ... 85 %
Vibration (operation)	1g, according to EN 60068-2-6
Shock	15g, according to IEC 60068-2-27

Device supply

Typical current consumption	0.4 A
Power supply unit	24 V DC +/- 20 %

Standards and Regulations

Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 15;

Touch panel - TP57AM/702000 S00003 - 2401081

Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

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 8.0	27242302
eCl@ss 9.0	27330201

ETIM

ETIM 4.0	EC001412
ETIM 5.0	EC001412
ETIM 6.0	EC001412
ETIM 7.0	EC001412

UNSPSC

UNSPSC 13.2	43211904
UNSPSC 18.0	43211904
UNSPSC 19.0	43211904
UNSPSC 20.0	43211904
UNSPSC 21.0	43211904

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

Touch panel - TP57AM/702000 S00003 - 2401081

Approvals

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 205795

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 205795

cULus Listed	

Accessories

Accessories

Battery module

Battery / accumulator - HMI BATTERY - 2701383

Lithium battery

Mounting material

Mounting material - HMI SCB MOUNTING KIT 4 - 2701384

HMI mounting kit for installation on a front plate. The mounting kit includes 4 x mounting brackets, 4 x screw threads, and a hexagonal wrench.

Mounting material - HMI SCB MOUNTING KIT 6 - 2701385

HMI mounting kit for installation on a front plate. The mounting kit includes 6 x mounting brackets, 6 x screw threads, and a hexagonal wrench.

PHŒNIX CONTACT

Touch panel - TP57AM/702000 S00003 - 2401081

Accessories

Mounting material - HMI WALL MOUNTING KIT - 2701380

HMI mounting kit for panel installation. The mounting kit includes 2 spring clips.
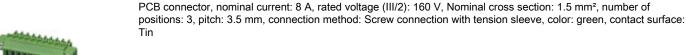

Operating stylus

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 - MC 1,5/ 3-STF-3,5 BD:1-3 - 1751312

PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, Nominal cross section: 1.5 mm², number of positions: 3, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Storage medium

USB memory stick - USB FLASH DRIVE - 2402809

USB memory stick, 8 GB