ICS50-C100X12-D2,4-TRG-7035-VPE1 - Upper housing part with touch display

1226370

https://www.phoenixcontact.com/us/products/1226370

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DIN rail housing, Upper part, integrated 2.4" resistive touch display, resolution: 320 x 240 Pixel(s), interface: 4-wire SPI half duplex, Housing cover, width: 50.1 mm, height: 100 mm, depth: 14.35 mm

Your advantages

- Housing system for visualization and operation in the control cabinet
- Coordinated housings with pre-installed touch displays
- Time-saving assembly of ready-to-use modules
- Flexible use, thanks to the modular system and unique modularity in the connection technology
- Standardized connections such as RJ45, USB, D-SUB and antenna sockets as components that can be integrated
- Eight-position DIN rail connectors with parallel and up to two serial contacts for easy module-to-module communication

Commercial data

Item number	1226370
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AC09
Product key	ACHAEI
GTIN	4063151319328
Weight per piece (including packing)	51.5 g
Weight per piece (excluding packing)	33.4 g
Customs tariff number	85480090
Country of origin	CN

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Set consists of

DCT T 2,4 QVGA S RTOUCH - Display

1132710

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Resistive touch display, 2.4″, resolution: 320 x 240 pixels, interface: SPI, contrast ratio: 500:1, aspect ratio: 3:4, interface: "4-wire SPI half duplex, Glue and Play solution", suitable for polyamide and polycarbonate

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Technical data

Notes

Assembly note	Please observe the application note in the download area.

Product properties

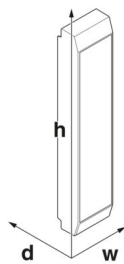|	
Product type	Upper housing part
Housing type	DIN rail housing
Housing series	ICS
Product family	ICS50-..100X..
Ventilation openings present	no

Display

Display type	Color display TFT
Display type	resistive
Diagonal	(Display)
	2.4 in. / 6.9 cm (Display)
Screen resolution	320 x 240 Pixel(s) (QVGA)
Display formats	3:4
Display lighting type	LED, white
Controller	ST7789V

Interfaces

Interface	4-wire SPI half duplex

Dimensions

Dimensional drawing	
Width	50.1 mm
Height	100 mm
Depth	14.35 mm
Depth from base support surface	11.9 mm
Dimensions	50.1 mm x 100 mm x 14.35 mm
	48.96 mm x 36.72 mm (Active range)

PCB design

PCB thickness	1.4 mm ... 1.8 mm

Material specifications

Color (Upper housing part)	light gray (RAL 7035)
Material Upper housing part	PA
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Surface characteristics	untreated

Environmental and real-life conditions

Vibration test

Specification	IEC 60068-2-6:2007-12
Result	Test passed
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 Hz ... 58.1 Hz)
Acceleration	20 m/s²
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

Shocks

Specification	IEC 60068-2-27:2008-02
Result	Test passed
Acceleration	150 m/s²
Shock duration	11 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

Test for substances that would hinder coating with paint or varnish

Specification	VDMA 24364:2018-05
Result	Test passed

Ambient conditions

Max. IP code to attain	IP20
Ambient temperature (operation)	-20 °C ... 70 °C (depending on power dissipation)
Ambient temperature (storage/transport)	-20 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 70 °C
Relative humidity (storage/transport)	80 %

PCB data

Type of PCB mount	Slot
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

Mounting type	Snap in

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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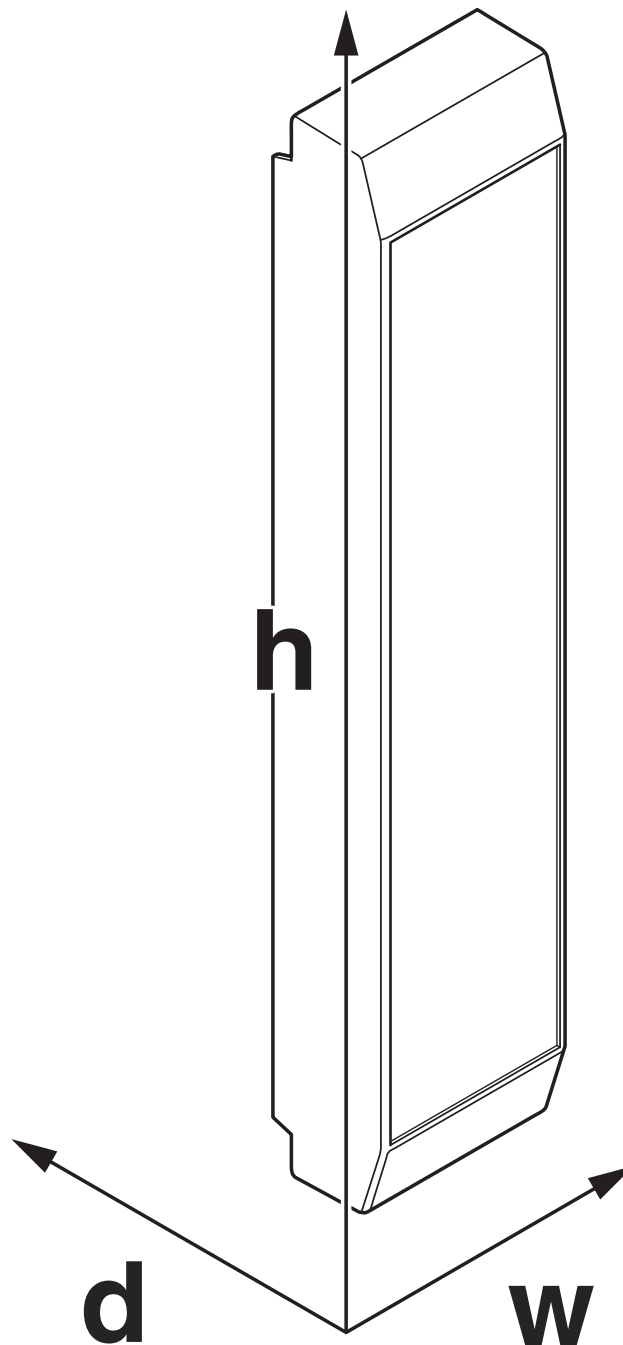https://www.phoenixcontact.com/us/products/1226370

Drawings

Dimensional drawing

Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the "Downloads" tab.

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1226370

UL Recognized
Approval ID: E240868

Classifications

ECLASS

ECLASS-13.0	27190603
ECLASS-15.0	27190603

ETIM

ETIM 9.0	EC002779

UNSPSC

UNSPSC 21.0	31261500

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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.)	No substance above 0.1 wt%