

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, width: 50.1 mm, height: 100 mm, depth: 14.35 mm, color: light grey (7035)



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

General	Refer to the data sheet for the range in the download area.
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Product properties

Product type	Upper housing part
Product family	ICS50-..100X..
Type	Upper part, integrated 2.4" resistive touch display
Housing type	DIN rail housing
Ventilation openings present	no
Housing series	ICS

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)
Display formats	3:4
Display lighting type	LED, white
Controller	ST7789V

Interfaces

Interface	4-wire SPI half duplex
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Dimensions

Dimensional drawing	
Width	50.1 mm
Height	100 mm
Depth	14.35 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
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Material specifications

Color	light grey (7035)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Surface characteristics	untreated
Housing material	Polyamide

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/s ²
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/s ²
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

Number of PCB holders	4
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

Mounting type	Snap in
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Mounting position	Vertical (horizontal DIN rail)
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Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

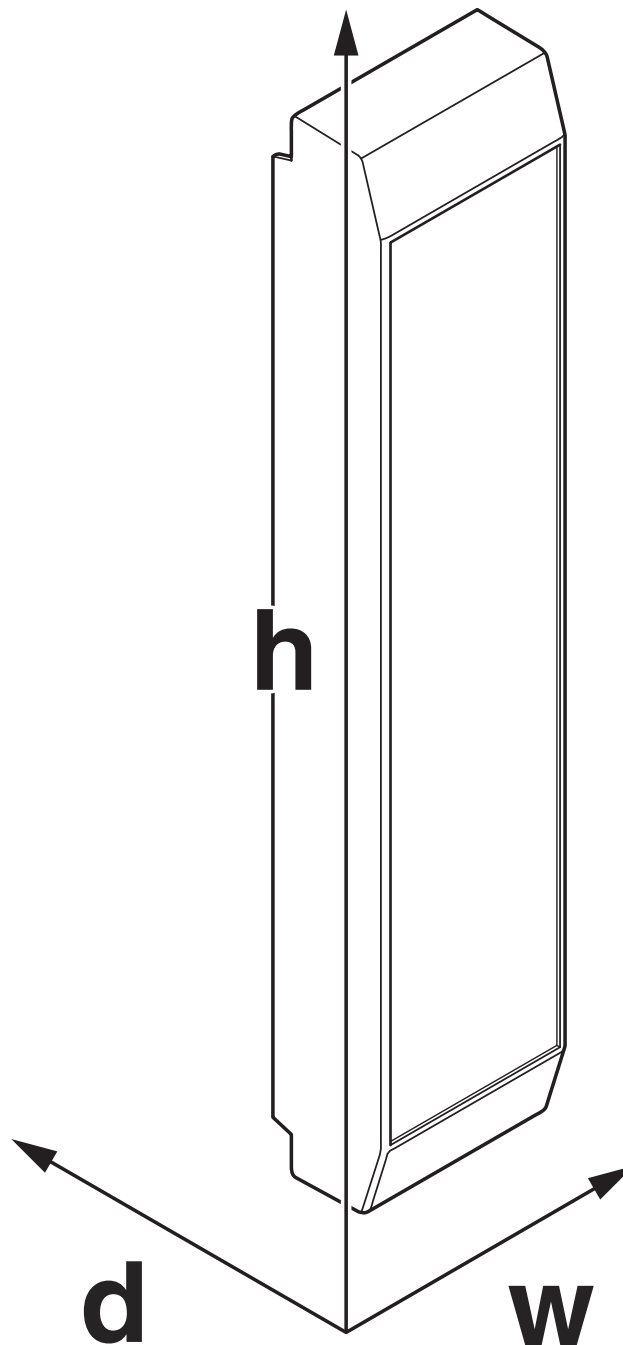
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Drawings

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: FILE E 240868

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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190605

ETIM

ETIM 9.0	EC001031
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UNSPSC

UNSPSC 21.0	31261500
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Mandatory accessories

ICS50-B100X98-V-V-7035 - Mounting base housing

1076998

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DIN rail housing, Lower housing part with metal foot catch, Level 1: with vents, width: 50.1 mm, height: 100 mm, depth: 108.35 mm, color: light grey (7035), cross connection: DIN rail connector (optional), number of positions cross connector: 8

ICS50-B100X98-O-O-7035 - Mounting base housing

1118644

<https://www.phoenixcontact.com/us/products/1118644>



DIN rail housing, Lower housing part with metal foot catch, width: 50.1 mm, height: 100 mm, depth: 108.35 mm, color: light grey (7035), cross connection: DIN rail connector (optional), number of positions cross connector: 8

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com