

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



1077656

<https://www.phoenixcontact.com/us/products/1077656>

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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	1077656
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	AC09
Product key	ACHAEI
GTIN	4055626791609
Weight per piece (including packing)	44.7 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

<https://www.phoenixcontact.com/us/products/1132710>

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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### ICS50-C100X12-7035 - Upper housing part

1076995

<https://www.phoenixcontact.com/us/products/1076995>

DIN rail housing, Upper part, closed, Housing cover, width: 50.1 mm, height: 100 mm, depth: 14.35 mm, color: light gray (similar RAL 7035)



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## Technical data

### Notes

Assembly note	Please observe the application note in the download area.
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### Product properties

Product type	Upper housing part
Housing type	DIN rail housing
Housing type	Modular housings
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
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### 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

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PCB thickness	1.4 mm ... 1.8 mm
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## 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

## 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 <sup>2</sup>
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 <sup>2</sup>
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
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## Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

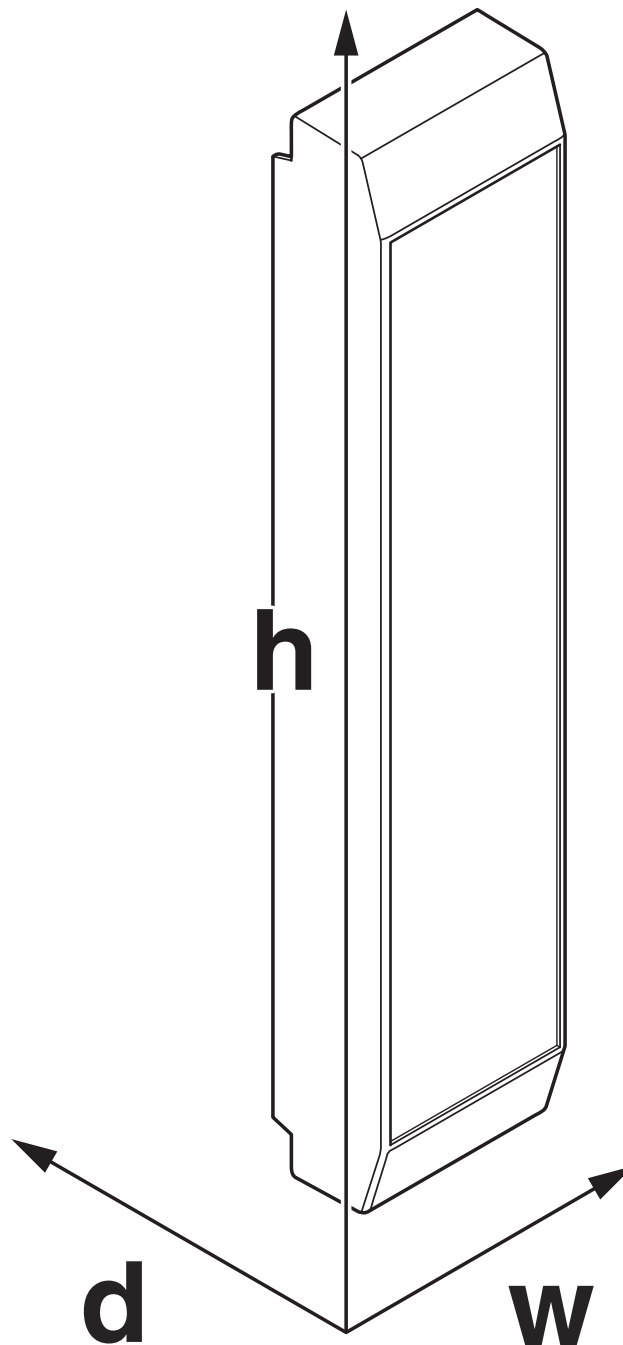
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## Drawings

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/1077656>



**UL Recognized**  
Approval ID: E240868

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## Classifications

### ECLASS

ECLASS-13.0	27190603
ECLASS-15.0	27190603

### ETIM

ETIM 10.0	EC002779
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### UNSPSC

UNSPSC 21.0	31261500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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