

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



1077656

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

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

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



1077656

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

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



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)



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



1077656

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

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 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
-----------	------------------------

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

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



1077656

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

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

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

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

Mounting

Mounting type	Snap in
---------------	---------

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



1077656

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

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

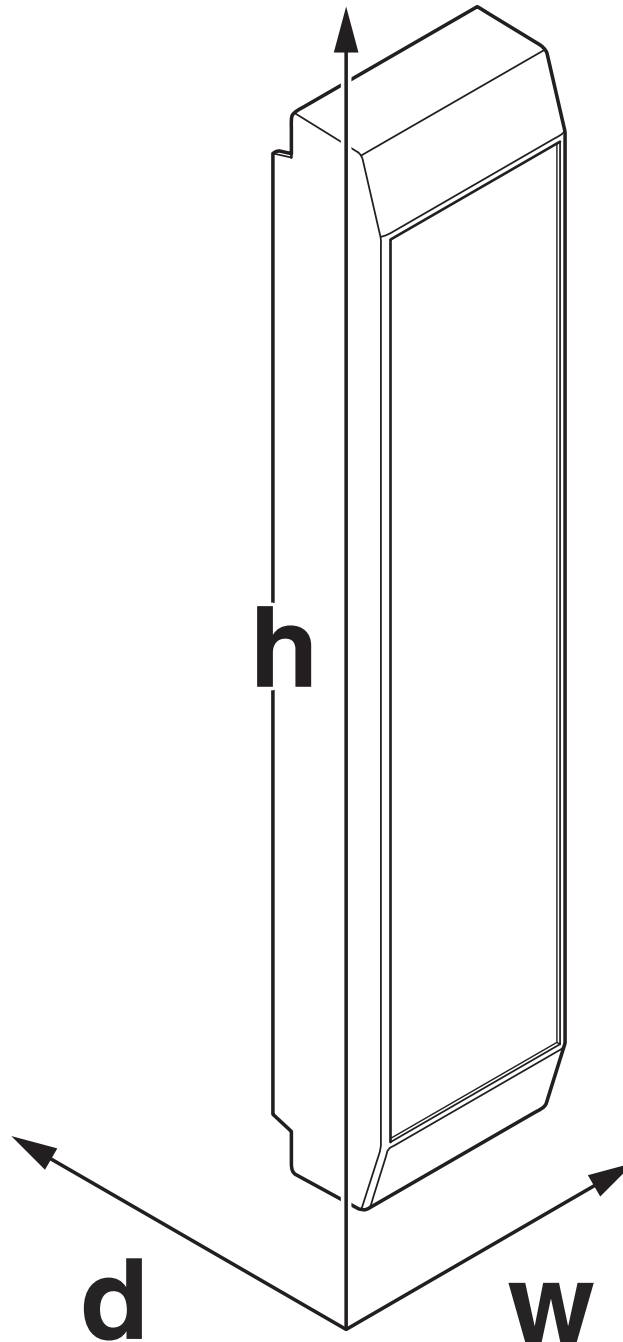
ICS50-C100X12-D2,4-TRG-7035 - Upper housing part with touch display

1077656

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

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.

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



1077656

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

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1077656>



UL Recognized

Approval ID: E240868

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



1077656

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

Classifications

ECLASS

ECLASS-13.0	27190603
ECLASS-15.0	27190603

ETIM

ETIM 10.0	EC002779
-----------	----------

UNSPSC

UNSPSC 21.0	31261500
-------------	----------

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



1077656

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

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

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