

# ICS25-C100X12-DKP-9005 - Upper housing part with display



1524410

<https://www.phoenixcontact.com/us/products/1524410>

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DIN rail housing, Upper part, integrated 0.96" display, resolution: 80 x 160 Pixel(s), interface: 4-wire SPI half duplex, Housing cover, width: 25 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 with Plug and Play
- Positioning of the display using the configurator

## Commercial data

Item number	1524410
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	AC09
Product key	ACHAED
GTIN	4063151991296
Weight per piece (including packing)	18.2 g
Weight per piece (excluding packing)	10.9 g
Customs tariff number	84879090
Country of origin	CN

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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	ICS25-..100X..
Ventilation openings present	no


### Display

Display type	Color display TFT
Display type	LCD with backlighting
Panel technology	IPS
Diagonal	0.96 in. (Display)
Screen resolution	80 x 160 Pixel(s)
Display lighting type	LED, white
Controller	ST7735S

### Interfaces

Interface	4-wire SPI half duplex
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### Dimensions

Dimensional drawing	
Width	25 mm
Height	100 mm
Depth	14.35 mm
Depth from base support surface	11.9 mm

### PCB design

PCB thickness	1.4 mm ... 1.8 mm
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### Material specifications

Color (Housing)	black (RAL 9005)
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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.)

### 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
Relative humidity (storage/transport)	80 %

## PCB data

Thickness of the PCB	1.4 mm ... 1.8 mm
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## Mounting

Mounting type	Snap in
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## Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

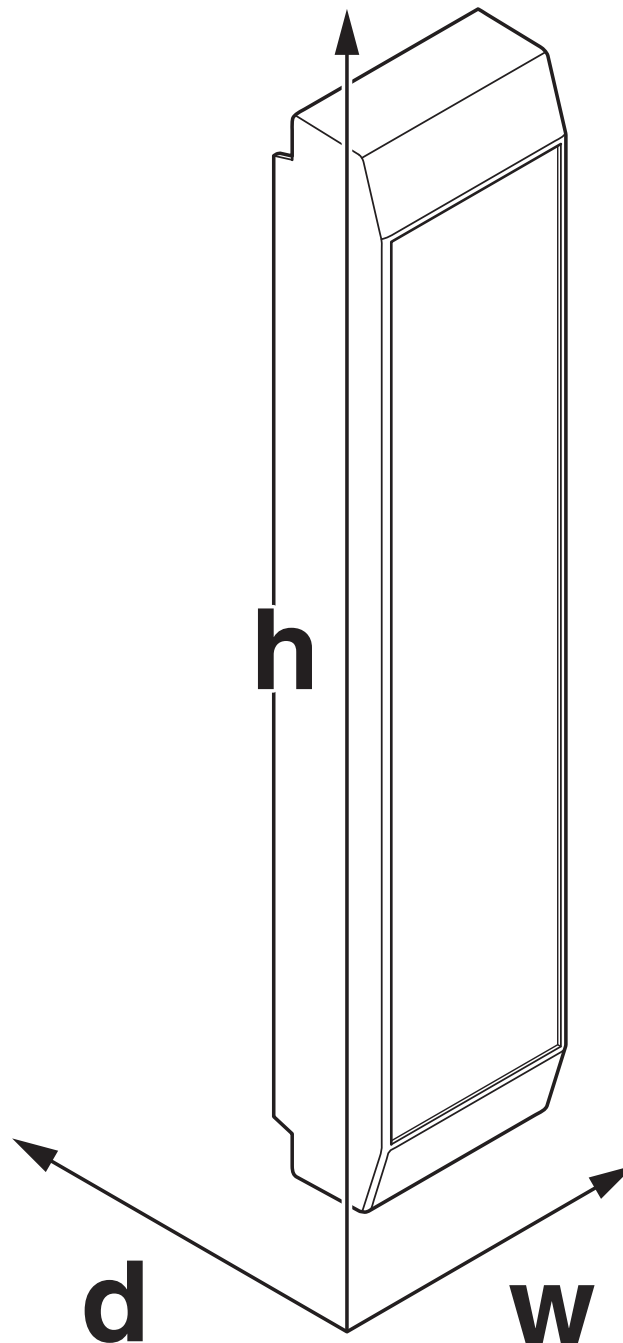
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## Drawings

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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## Classifications

### ECLASS

ECLASS-13.0	27190603
ECLASS-15.0	27190603

### ETIM

ETIM 10.0	EC002779
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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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