

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



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4063151319328
Weight per Piece (excluding packing)	38.660 g
Custom tariff number	85480090
Country of origin	United Kingdom
Sales Key	ACHAED

## Technical data

### Item properties

Brief article description	Upper housing part with touch display
Type	ICS50-C100X12-D2,4-TRG-7035-VPE1
Item no.	1226370
Housing type	DIN rail housing
Housing series	ICS

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## Technical data

### Item properties

Range of articles	ICS50
Type	Upper part, integrated 2.4" resistive touch display
Max. IP code to attain	IP20
Mounting type	Snap in
Ventilation openings present	no

### Dimensions

Width [ w ]	50.1 mm
Height [ h ]	100 mm
Depth [ d ]	14.35 mm
Diagonals (cm)	6.9 cm
Diagonals (inch)	2.4 in.
Aspect ratio	3:4

### Material data

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

### Ambient conditions

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

### PCB data

Number of PCB holders	4
PCB thickness	1.4 mm ... 1.8 mm

### Climatic test group D

Specification	IEC 61984:2008-10 (based upon)
Cold stress	-20 °C/2 h
Thermal stress	70 °C/168 h
Corrosive stress	0.2 dm <sup>3</sup> SO <sub>2</sub> on 300 dm <sup>3</sup> /40 °C/1 cycle

### Degree of protection test group E

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Requirements, protection against electric shock	No live part shall be accessible. In acc. with 6.4.2.3 Finger safety For a COC with protection against electric shock respectively according to characteristic c)3 and d) 5.4, protective provision shall be tested according to Clause 5 of IEC 60529:1989 by using the test finger with a

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### Degree of protection test group E

	test force of 20 N without consideration of air clearances and creepage distances.
Result, degree of protection, IP code	IP20

### Rapid change in temperature

Specification	IEC 60068-2-14:2009-01
Minimum temperature	-20 °C
Maximum temperature	+70 °C
Dwell time for upper and lower temperature	30 min
No. of cycles	25

### Vibration test

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

### Shock

Specification	IEC 60068-2-27:2008-02
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.)

### Testing for paint wetting impairment substances (LABS-conformity)

Specification	VDMA 24364:2018-05
Testing	Labeling of LABS-conformity

### General information

Type of note	Assembly instruction:
Note	Refer to the data sheet for the range in the download area.

### Packaging information

Type of packaging	packed in cardboard
Pieces per package	1
Denomination packing units	Pcs.
Outer packaging type	Carton

### Standards and regulations

# Upper housing part with touch display - ICS50-C100X12-D2,4-TRG-7035-VPE1 - 1226370

## Technical data

### Standards and regulations

Flammability rating according to UL 94	V0
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## Articles in set

Display - DCT T 2,4 QVGA S RTOUCH - 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



## Classifications

### eCl@ss

eCl@ss 11.0	27182702
eCl@ss 9.0	27182702

### ETIM

ETIM 7.0	EC001031
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## Approvals

### Approvals

#### Approvals

UL Recognized

#### Ex Approvals

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 240868
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## Accessories

### Necessary add-on products

## Upper housing part with touch display - ICS50-C100X12-D2,4-TRG-7035-VPE1 - 1226370

### Accessories

Mounting base housing - ICS50-B100X98-V-V-7035 - 1076998



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 gray (7035), cross connection: DIN rail connector (optional), number of positions cross connector: 8

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Mounting base housing - ICS50-B100X98-O-O-7035 - 1118644



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