

BC 161,6 DKL R D2,4 TCG KMGY - Housing cover with touch display



1335863

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DIN rail housing for use in distribution boards in accordance with DIN 43880, Latching cover (non-detachable), integrated capacitive 2.4" touch display, resolution: 320 x 240 Pixel(s), interface: 4-wire SPI, width: 161.6 mm, height: 45 mm, depth: 13.5 mm

Your advantages

- Fast device development with integrated 2.4" touch display
- Suitable for different device requirements, thanks to housing versions with and without membrane keypad
- Coordinated housing, keypad, and display design
- Maximum flexibility with many combination options for the housing cover and upper parts
- Customization of membrane keypad via configurator

Commercial data

Item number	1335863
Packing unit	5 pc
Minimum order quantity	10 pc
Sales key	AC10
Product key	ACHBAI
GTIN	4063151638658
Weight per piece (including packing)	59.45 g
Weight per piece (excluding packing)	59.45 g
Customs tariff number	84879090
Country of origin	DE

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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	Cover
Housing type	DIN rail housing for use in distribution boards in accordance with DIN 43880
Housing series	BC
Product family	BC 161,6..
Number (Connection openings)	0
Ventilation openings present	no

Display

Display type	TFT, IPS
Display type	capacitive
Diagonal	2.4 in. / 6.1 cm (Display)
Screen resolution	320 x 240 Pixel(s) (QVGA)
Display formats	3:4
Display lighting type	LED, white
Controller	GT911 (Goodix)

Interfaces

Interface	4-wire SPI
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Dimensions

Width	161.6 mm
Height	45 mm
Depth	13.5 mm

Material specifications

Color (Housing cover)	light gray (RAL 7035)
Material	PC
Flammability rating according to UL 94	V0
Surface characteristics	untreated

Environmental and real-life conditions

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 Hz ... 58.1 Hz)

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Acceleration	2g (58.1 Hz ... 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

Glow-wire test

Specification	IEC 60695-2-11:2014-02
Temperature	850 °C
Time of exposure	30 s

Mechanical strength / tumbling barrel

Specification	IEC 60068-2-31:2008-05
Height of fall	50 cm
Frequency	50

Shocks

Specification	IEC 60068-2-27:2008-02
Pulse shape	Half-sine
Acceleration	15g
Shock duration	11 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

Degree of protection (IP code)

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
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Ambient conditions

Max. IP code to attain	IP20
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-30 °C ... 70 °C

PCB data

Type of PCB mount	Latching
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Mounting

Mounting type	Latching with upper housing part
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Packaging specifications

Type of packaging	Box packaging
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Classifications

ECLASS

ECLASS-13.0	27190603
ECLASS-15.0	27190603

ETIM

ETIM 9.0	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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