ICS20-F22U-7035 - Connection plate

1053051

https://www.phoenixcontact.com/us/products/1053051

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DIN rail housing, ICS filler, with USB function cutout, width: 20 mm, height: 7.25 mm, depth: 22.4 mm, color: light gray (similar RAL 7035)

Your advantages

- 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
- Optimal space utilization, as well as adaptability of design, colors, and printing
- Customized processing for any customer-specific connection technology
- Easy and fast push-in mounting of assembled printed-circuit boards, thanks to stable guide rails

Commercial data

Item number	1053051
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC09
Product key	ACHAEE
GTIN	4055626676562
Weight per piece (including packing)	1.28 g
Weight per piece (excluding packing)	1.06 g
Customs tariff number	85389099
Country of origin	PL

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Technical data

Notes

Assembly note	Refer to the data sheet for the range in the download area.
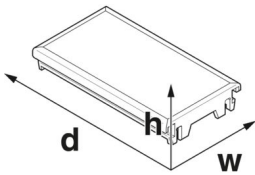
Product properties

Product type	Connection plate
Housing type	DIN rail housing
Housing series	ICS
Product family	ICS20
Type	ICS filler, with USB function cutout
Ventilation openings present	no

Data management status

Article revision	01

Dimensions

Dimensional drawing	

Width	20 mm
Height	7.25 mm
Depth	22.4 mm

PCB design

PCB thickness	1.4 mm ... 1.8 mm

Material specifications

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

Thermal stability / ball thrust test

Specification	IEC 60695-10-2:2014-02
Temperature	125 °C
Test duration	1 h
Force	20 N

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.)

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)	-40 °C ... 105 °C (depending on power dissipation)
Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Relative humidity (storage/transport)	80 %

PCB data

Number of PCB holders	2
Type of PCB mount	Slot
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

Mounting type	Slot
Thread type	()

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Packaging specifications

Outer packaging type	Resealable bag

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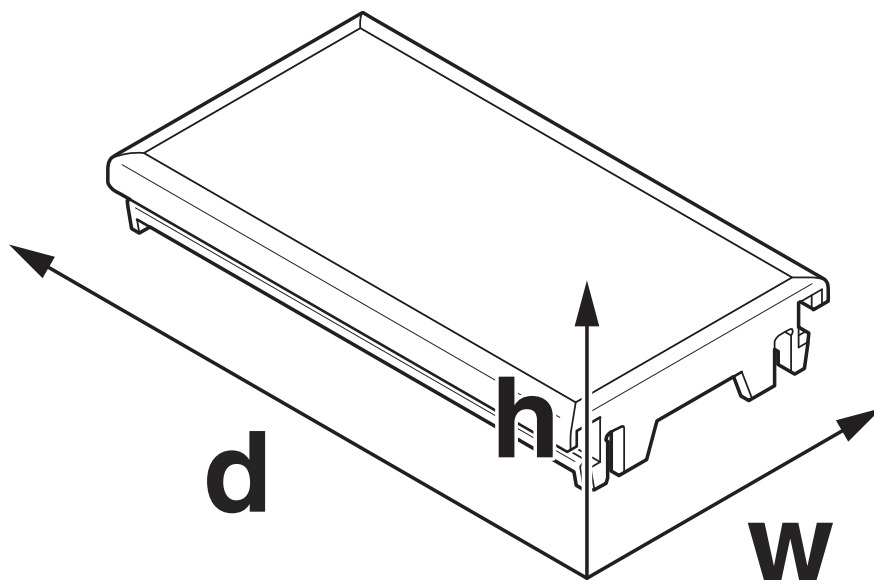https://www.phoenixcontact.com/us/products/1053051

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/1053051

UL Recognized
Approval ID: E240868

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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190605

ETIM

ETIM 9.0	EC002779

UNSPSC

UNSPSC 21.0	31261500

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%

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Mandatory accessories

ICS20-B100X98-O-7035 - Mounting base housing

1355944

https://www.phoenixcontact.com/us/products/1355944

DIN rail housing, Lower housing part with metal foot catch, width: 20 mm, height: 100 mm, depth: 108.35 mm, color: light gray (similar RAL 7035), cross connection: DIN rail connector (optional), number of positions cross connector: 8

ICS20-B100X98-V-7035 - Mounting base housing

2203878

https://www.phoenixcontact.com/us/products/2203878

DIN rail housing, Lower housing part with metal foot catch, Level 1: with vents, width: 20 mm, height: 100 mm, depth: 108.35 mm, color: light gray (similar RAL 7035), cross connection: DIN rail connector (optional), number of positions cross connector: 8

Accessories

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CUC-USB2.0-J1ST-AH/UAF-THT - USB PCB connectors

1332631

https://www.phoenixcontact.com/us/products/1332631

USB PCB connectors, degree of protection: IP20, number of positions: 4, 480 Mbps, material: Metal, connection method: Solder connection, USB 2.0

CUC-USB2.0-J1ST-AH/UAF-SMD - USB PCB connectors

1332634

https://www.phoenixcontact.com/us/products/1332634

USB PCB connectors, degree of protection: IP20, number of positions: 4, 480 Mbps, material: Metal, connection method: Solder connection, USB 2.0

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CUC-USB3.0-J1ST-AH/UAF-THT - USB PCB connectors

1332637

https://www.phoenixcontact.com/us/products/1332637

USB PCB connectors, degree of protection: IP20, number of positions: 9, 5 Gbps, material: Metal, connection method: Solder connection, USB 3.0

ICS20-C100X12-7035 - Upper housing part

2203879

https://www.phoenixcontact.com/us/products/2203879

DIN rail housing, Upper part, closed, width: 20 mm, height: 100 mm, depth: 14. 35 mm, color: light gray (similar RAL 7035)

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ICS20-TL100X12-7035 - Upper housing part

2203880

https://www.phoenixcontact.com/us/products/2203880

DIN rail housing, Upper part, with transparent hinged cover, width: 20 mm, height: 101 mm, depth: 14.35 mm, color: light gray (similar RAL 7035)

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