

# 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 grey (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

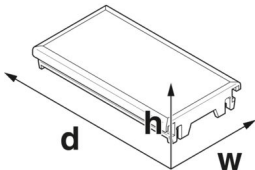
### Notes

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

### 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 grey (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

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## 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
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## Packaging specifications

Outer packaging type	Resealable bag
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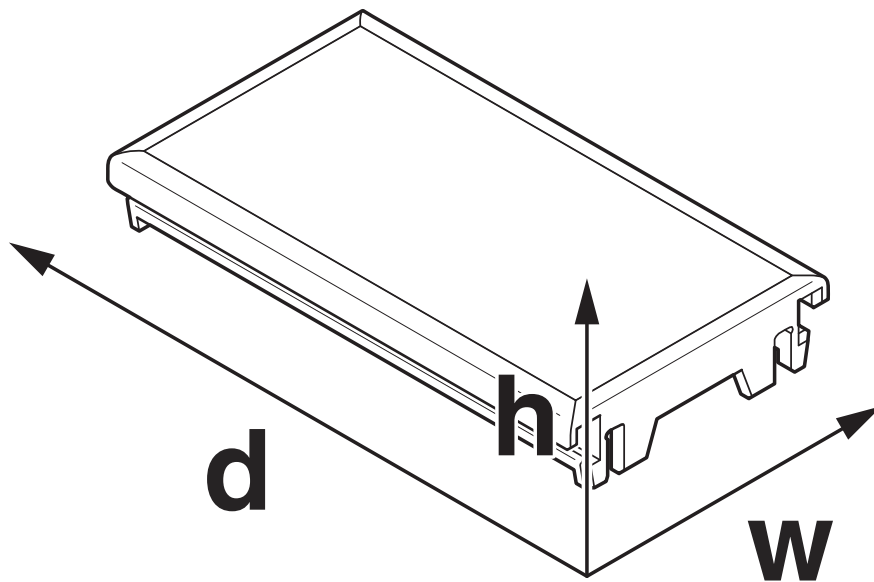


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## Drawings

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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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1053051>



**UL Recognized**

Approval ID: FILE E 240868

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## Classifications

### ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190605

### ETIM

ETIM 8.0	EC001031
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### UNSPSC

UNSPSC 21.0	31261500
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## 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 grey (similar RAL 7035), cross connection: DIN rail connector (optional), number of positions cross connector: 8

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### 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 grey (similar RAL 7035), cross connection: DIN rail connector (optional), number of positions cross connector: 8

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## 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

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## 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



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## 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 grey (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 grey (similar RAL 7035)



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