PHŒNIX CONTACT

Mounting base housing - ICS50-B100X98-V-V-5015 - 1076921

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

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, cross connection: DIN rail connector (optional), number of positions cross connector: 8, color: blue (5015)

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

☑ Eight-position DIN rail connectors with parallel and up to two serial contacts for easy module-to-module communication

RoHS

IP20

Key Commercial Data

Packing unit	5 pc
Minimum order quantity	10 pc
GTIN	4 055626 787350
GTIN	4055626787350

Technical data

Item properties

Brief article description	Mounting base housing
Type	ICS50-B100X98-V-V-5015
Order No.	1076921
Housing type	DIN rail housing
Type	Lower housing part with metal foot catch
Max. IP code to attain	IP20
Mounting type	DIN rail mounting
Number of levels	4
Connection levels	3 (Both sides)
Ventilation openings present	yes
Max. number of positions	48 (pitch: 5 mm)

Mounting base housing - ICS50-B100X98-V-V-5015 - 1076921

Technical data

Item properties

	60 (pitch: 3.5 mm)

Dimensions

Width [w]	50.1 mm
Height [h]	100 mm
Depth [d]	108.35 mm
Depth from top edge of DIN rail [d]	98.15 mm
Dimensions	50 mm x 100 mm x 110 mm (Lower housing part with upper housing part)

Material data

Housing material	Polyamide
Color (RAL)	blue (5015)
Flammability rating according to UL 94	V0

Ambient conditions

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

PCB data

Number of PCB holders	4
Mounting position	Vertical (horizontal DIN rail)
Type of PCB mount	Latching

Mechanical strength/tumbling barrel

Specification	IEC 60068-2-31:2008-05
Height of fall	50 cm
Number of drop cycles	50

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

Shock

Specification	IEC 60068-2-27:2008-02
Pulse shape	Semi-sinusoidal
Acceleration	15g
Shock duration	11 ms

Mounting base housing - ICS50-B100X98-V-V-5015 - 1076921

Technical data

Shock

Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

Thermostability (Ball Thrust Test)

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

Test for assessing the risk of fire (glow wire)

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

Test for substances that would hinder coating with paint or varnish

Specification	VW PV 3.10.7:2005-02

Degrees of protection provided by housings (IP code)

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Result, degree of protection, IP code	IP20

Protection against electric shock

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Requirements, protection against electric shock	It must not be possible to touch any conductive part with the IEC test finger and a test force of 10 N.

General information

Type of note	Assembly instruction:
Note	Refer to the data sheet for the range in the download area.
Type of note	Recommendation
Note	Material of contact pads for bus connector, galvanic gold (hard gold)

Packaging information

Type of packaging	packed in cardboard
Pieces per package	5
Denomination packing units	Pcs.
Outer packaging type	Carton

Standards and regulations

Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

PHŒNIX CONTACT

Mounting base housing - ICS50-B100X98-V-V-5015 - 1076921

Drawings

Dimensional drawing
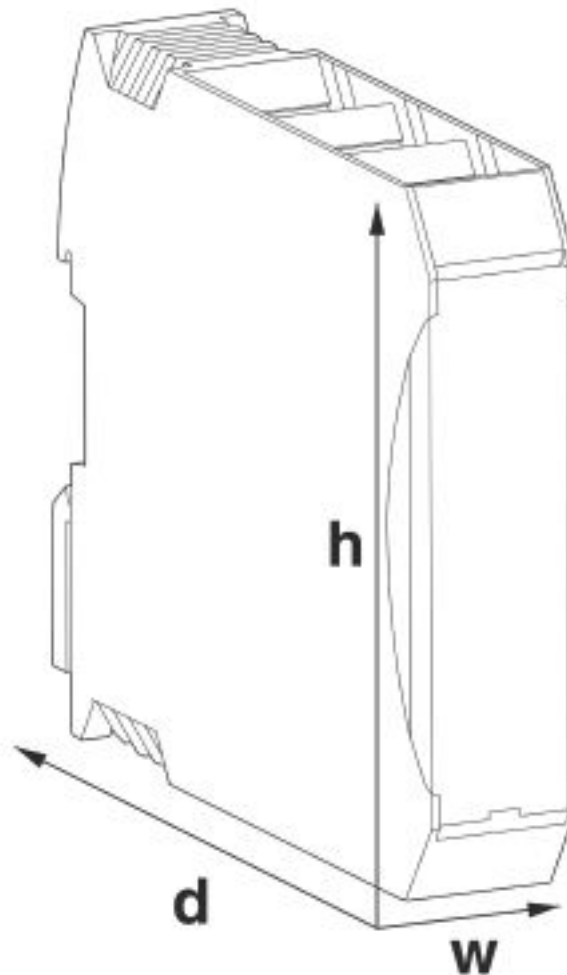
Classifications

eCl@ss

eCl@ss 10.0.1	27182702
eCl@ss 5.1	27180505
eCl@ss 6.0	27180800
eCl@ss 7.0	27182702
eCl@ss 8.0	27182702
eCl@ss 9.0	27182702

ETIM

ETIM 5.0	EC001031

Mounting base housing - ICS50-B100X98-V-V-5015 - 1076921

Classifications

ETIM

ETIM 6.0	EC001031

Accessories

Accessories

Component housing upper part

Upper part of housing - ICS50-C100X12-5015 - 1076919

DIN rail housing, Upper part, closed, width: 50 mm, height: 100 mm, depth: 12 mm, color: blue (5015)

Upper part of housing - ICS50-TL100X12-5015 - 1076913

DIN rail housing, Upper part, with transparent hinged cover, width: 50 mm, height: 100 mm, depth: 12 mm, color: blue (5015)

Connection plate

Connection plate - ICS25-F22S-7035 - 2203890

DIN rail housing, ICS filler, closed, width: 25 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

Connection plate - ICS25-F45S-7035 - 2203891

DIN rail housing, ICS filler, closed, width: 25 mm, height: 7 mm, depth: 45 mm, color: light gray (7035)

Mounting base housing - ICS50-B100X98-V-V-5015 - 1076921

Accessories

Connection plate - ICS25-F22V-7035 - 1079495

DIN rail housing, ICS filler, with vents, width: 25 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

Connection plate - ICS25-F45V-7035 - 1079492

DIN rail housing, ICS filler, with vents, width: 25 mm, height: 7 mm, depth: 45 mm, color: light gray (7035)

Connection plate - ICS25-F22J-7035 - 2203895

DIN rail housing, ICS filler, with RJ45 function cutout, width: 25 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

Connection plate - ICS25-F22U-7035 - 1053046

DIN rail housing, ICS filler, with USB function cutout, width: 25 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

Connection plate - ICS25-F22A-7035 - 2203894

DIN rail housing, ICS filler, with antenna function cutout, width: 25 mm, height: 7 mm, depth: 22.5 mm, color: light gray (7035)

PHŒNIX CONTACT

Mounting base housing - ICS50-B100X98-V-V-5015 - 1076921

Accessories

Connection plate - ICS25-F45D15-7035 - 2203896

DIN rail housing, ICS filler, with D-SUB 15 function cutout, width: 25 mm, height: 7 mm, depth: 45 mm, color: light gray (7035)

DIN rail connector

DIN rail bus connectors - TBUS8-25,0-PPPPPPPP-7035 - 2202891

DIN rail connector, nominal current: 6 A, rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, color: light gray, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 8 parallel contacts

---

DIN rail bus connectors - TBUS8-25,0-PPPPPPPS-7035 - 2202890

DIN rail connector, nominal current: 6 A, rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, color: light gray, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 7 parallel contacts/1 serial contact

---

DIN rail bus connectors - TBUS8-25,0-PPPPPPSS-7035 - 2202895

DIN rail connector, nominal current: 6 A, rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, color: light gray, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 6 parallel contacts/2 serial contacts

---

PCB headers

Feed-through header - ICC25-H/4L5,0-7035 - 2203902

PCB headers, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: light gray, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Product with pin output on left side

---

PHŒNIX CONTACT

Mounting base housing - ICS50-B100X98-V-V-5015 - 1076921

Accessories

Feed-through header - ICC25-H/4R5,0-7035 - 2203903

PCB headers, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: light gray, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Product with pin output on right side

PCB plug

Printed-circuit board connector - PSPT 2,5/ 4-ST KMGY - 2202344

PCB connector, nominal current: 16 A, rated voltage (III/2): 300 V, nominal cross section: 2.5 mm², number of positions: 4, pitch: 5 mm, connection method: Push-in spring connection, color: light gray, contact surface: Tin, Color of the spring lever: orange

Printed-circuit board connector - MSTBT 2,5 HC/ 4-STP GY7035 - 2200332

PCB connector, nominal current: 16 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 4, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information: