

Mounting base housing - EH 90-B/ABS BK9005 - 2201488

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DIN rail housing, Lower housing part with base latch, tall design, with vents, width: 90.1 mm, height: 75 mm, depth: 87.3 mm, color: black (9005)

Your advantages

- ✓ DIN rail or wall mounting for application-specific device attachment
- ✓ Easy design-in, thanks to variable housing form factor
- ✓ Complete flexibility, thanks to PCBs with horizontal, frontal, and orthogonal orientation to the front of the device
- ✓ Three cover versions for individual PCB connections
- ✓ Integration of a wide variety of PCB connection technologies for a functional device design



Key Commercial Data

Packing unit	10 pc
GTIN	 4 046356 809368
GTIN	4046356809368

Technical data

Item properties

Brief article description	Mounting base housing
Type	EH 90-B/ABS BK9005
Order No.	2201488
Housing type	DIN rail housing
Housing series	EH
Type	Lower housing part with base latch, tall design
Max. IP code to attain	IP20
Mounting type	DIN rail mounting/wall mounting (with optional base latch)
Ventilation openings present	yes

Dimensions

Width [w]	90.1 mm
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Technical data

Dimensions

Height [h]	75 mm
Depth [d]	87.3 mm
Depth from top edge of DIN rail to support point on upper part [d]	83 mm

Material data

Housing material	ABS
Color (RAL)	black (9005)
Flammability rating according to UL 94	HB

Ambient conditions

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

PCB data

Number of PCB holders	7
PCB thickness	1.4 mm ... 1.8 mm
Mounting position	Vertical (horizontal DIN rail)
Type of PCB mount	Latching

Mechanical strength/tumbling barrel

Specification	IEC 60998-1:2002-12
Height of fall	50 cm
Number of drop cycles	10

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	Half-sine
Acceleration	15g
Shock duration	11 ms
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	80 °C

Mounting base housing - EH 90-B/ABS BK9005 - 2201488

Technical data

Thermostability (Ball Thrust Test)

Test duration	1 h
Force	20 N

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

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	10
Denomination packing units	Pcs.
Outer packaging type	Carton

Standards and regulations

Flammability rating according to UL 94	HB
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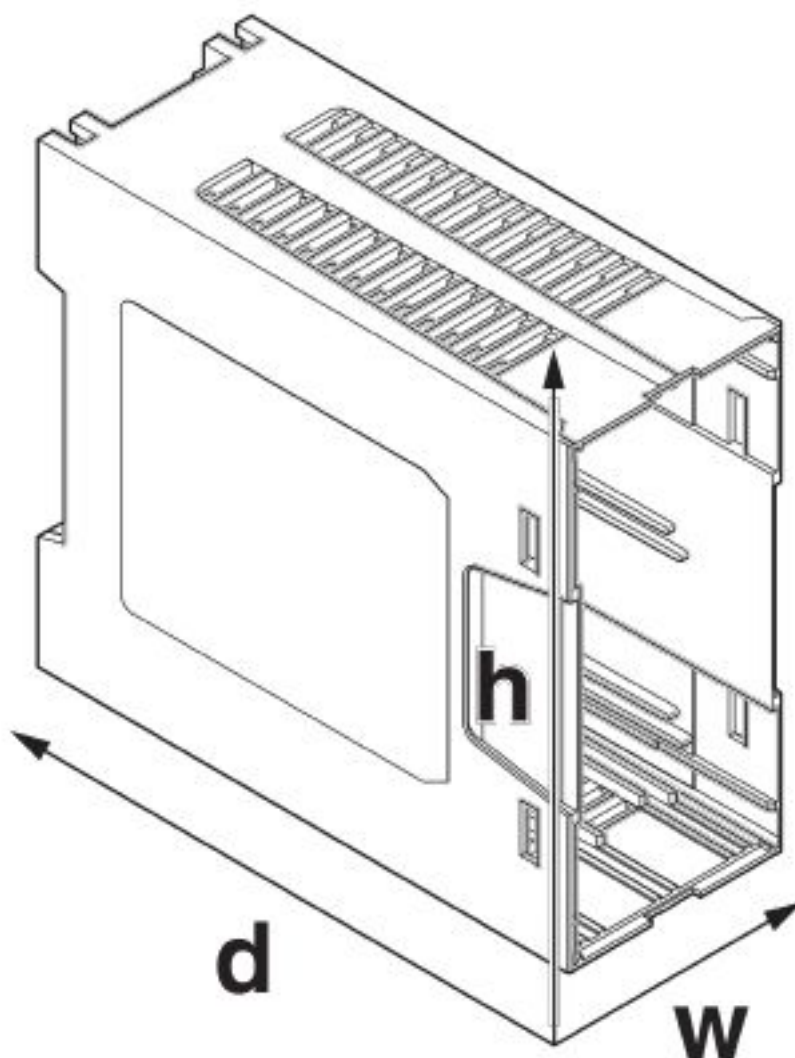
Environmental Product Compliance

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

Drawings

Mounting base housing - EH 90-B/ABS BK9005 - 2201488

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27182702
eCl@ss 4.0	27180400
eCl@ss 4.1	27180400
eCl@ss 5.0	27180500
eCl@ss 5.1	27180500
eCl@ss 6.0	27180800
eCl@ss 7.0	27182702
eCl@ss 8.0	27182702
eCl@ss 9.0	27182702

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Classifications

ETIM

ETIM 3.0	EC001031
ETIM 4.0	EC001031
ETIM 5.0	EC001031
ETIM 6.0	EC001031
ETIM 7.0	EC001031

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501
UNSPSC 18.0	31261501
UNSPSC 19.0	31261501
UNSPSC 20.0	31261501
UNSPSC 21.0	31261501

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		B.01742
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Accessories

Accessories

Mounting material

Mounting base housing - EH 90-B/ABS BK9005 - 2201488

Accessories

Base latch - EH SNAPLOCK SET WALL MOUNT OG - 2202007



DIN rail housing, Base latch for wall mounting, width: 28.8 mm, height: 18.7 mm, depth: 4.15 mm, color: orange (2003)

Necessary add-on products

Upper part of housing - EH 90-C CS/ABS BK9005 - 2201527



DIN rail housing, Upper part, tall design, without connection opening, width: 90.1 mm, height: 75.27 mm, depth: 36.95 mm, color: black (9005)

Upper part of housing - EH 90-C CS/ABS GY7035 - 2201526



DIN rail housing, Upper part, tall design, without connection opening, width: 90.1 mm, height: 75.27 mm, depth: 36.95 mm, color: light gray (7035)

Upper part of housing - EH 90-C DS/ABS BK9005 - 2201524



DIN rail housing, Upper part, tall design, connection opening on both sides, width: 90.1 mm, height: 75.27 mm, depth: 36.95 mm, color: black (9005)

Upper part of housing - EH 90-C SS/ABS BK9005 - 2201522



DIN rail housing, Upper part, tall design, connection opening on one side, width: 90.1 mm, height: 75.27 mm, depth: 36.95 mm, color: black (9005)

Mounting base housing - EH 90-B/ABS BK9005 - 2201488

Accessories

Upper part of housing - EH 90-C SS/ABS GY7035 - 2201523



DIN rail housing, Upper part, tall design, connection opening on one side, width: 90.1 mm, height: 75.27 mm, depth: 36.95 mm, color: light gray (7035)

Upper part of housing - EH 90-C DS/ABS GY7035 - 2201525



DIN rail housing, Upper part, tall design, connection opening on both sides, width: 90.1 mm, height: 75.27 mm, depth: 36.95 mm, color: light gray (7035)

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