

# HC-HPR-D07-SHFH-1SSM20-EMR-BK - Housing



1424641

<https://www.phoenixcontact.com/us/products/1424641>

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Surface mounting housing D7, For screw locking, material: Die-cast zinc, cable outlets: 1, straight, 1x M20, height: 41.5 mm, cable gland: none, protective cover: no, Railway applications, for increased environmental and EMC requirements, HPR series, enclosed floor

## Your advantages

- Vibration and shock: IEC 61373/EN 50155, category 1, class 1B

## Commercial data

Item number	1424641
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF60
Product key	BF7AAJ
GTIN	4055626375694
Weight per piece (including packing)	138.2 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85389099
Country of origin	CN

## Technical data

### Notes

General	for contact insertsHC-D7, D8, A3, A4, HS2-D7,Q5, Q7
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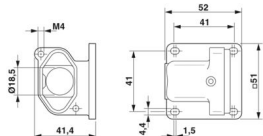
### Product properties

Product type	Housing with screw locking
Housing type	Surface mounting housing
Product family	HC-STA-D07
Series	HPR-D7
Application	Railway applications
Type	D7
No. of cable outlets	1
Type of the screw connection	1x M20
Type	Tall design
Protective cover	no
Shielded	yes
Cable outlet	straight
Pg screw connection	none

### Connection data

Tightening torque	0.8 Nm ... 1.2 Nm (for M4 mounting screws on the surface-mount housing)
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### Dimensions

Dimensional drawing	
Width	51 mm
Height	41.5 mm
Length	52 mm
Hole diameter	4.4 mm

### Material specifications

Seal material	NBR
Housing material	Die-cast zinc
Housing surface material	Powder-coated, black

### Environmental and real-life conditions

#### Ambient conditions

IP66 (with sealing screw)
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Degree of protection	IP68 (0.4 bar / 30 min. with sealing screw)
	IP69 (ISO 20653:2013-02)
Impact strength	IK09
Ambient temperature (operation)	-40 °C ... 125 °C

## Mechanical properties

### Mechanical data

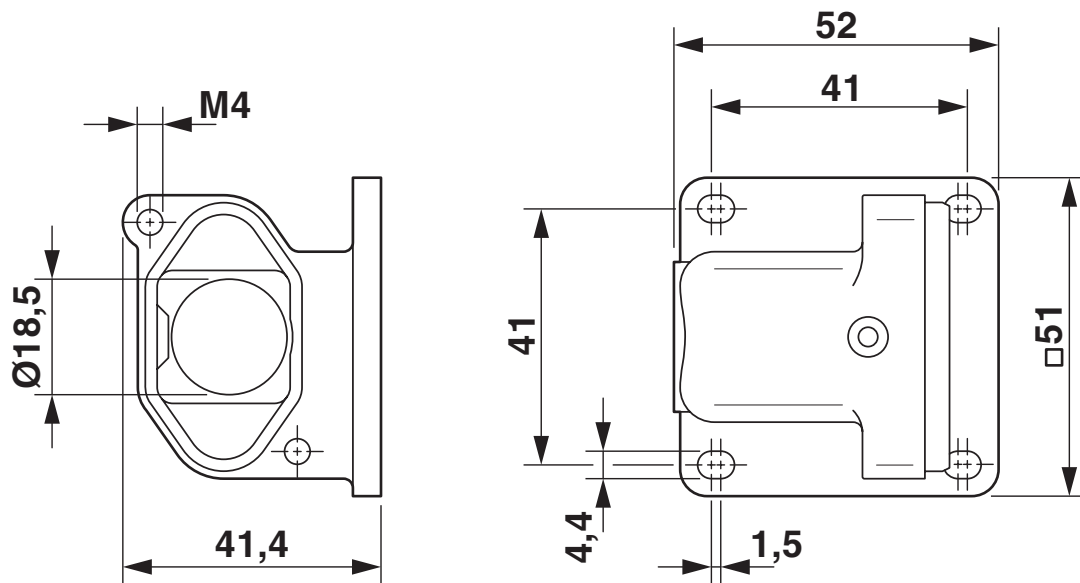
Type of the screw connection	1x M20
Locking type	Nut

## Mounting

Assembly note	M4 locking screw, slotted hexagon head screw (wrench size 7), tightening torque: 1 Nm. The seal of the pin contact insert should be removed. Max. thread length of the screw connection: 6 mm
	Mount contact insert with sealing screw in the housing

## Drawings

Dimensional drawing



Dimensional drawing

## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424641>

### DNV

Approval ID: TAE000037S

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## Classifications

### ECLASS

ECLASS-11.0	27440202
ECLASS-12.0	27440202
ECLASS-13.0	27440202

### ETIM

ETIM 9.0	EC000437
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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
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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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