

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 | AF7AAJ |
| 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 |

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Technical data

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 |
| 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) |
|-------------------|---|

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

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

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Mechanical properties

Mechanical data

| | |
|------------------------------|--------|
| Type of the screw connection | 1x M20 |
| Locking type | Nut |

Mounting

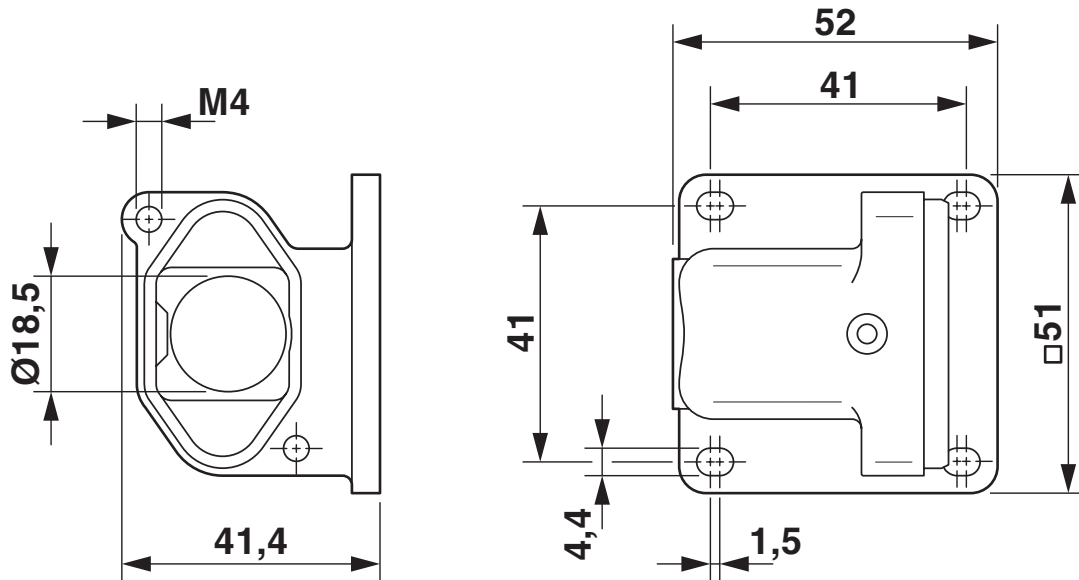
| | |
|---------------|---|
| Assembly note | M4 locking screw, slotted hexagon head screw (wrench size 7), tightening torque: 1 Nm. The seal of the pin contact insert should be removed. Max. thread length of the screw connection: 6 mm |
| | Mount contact insert with sealing screw in the housing |

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Drawings

Dimensional drawing



Dimensional drawing

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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-13.0 | 27440202 |
| ECLASS-15.0 | 27440202 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000437 |
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UNSPSC

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|-------------|----------|
| UNSPSC 21.0 | 31261500 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

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|--|--|
| 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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