



**Industrial connectors**  
**HEAVYCON EVO –**  
efficient at a twist of the wrist

# The evolution of heavy-duty industrial connectors

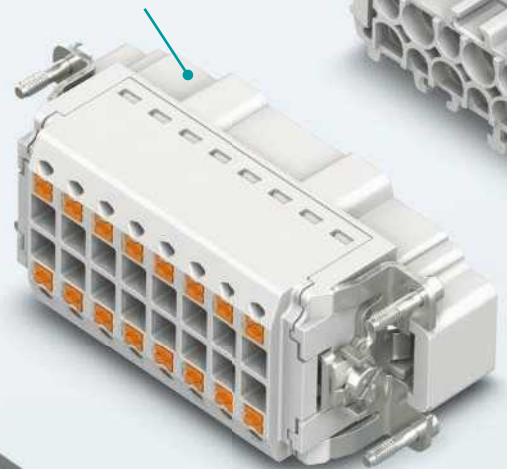
Heavy-duty connectors are established in the market and used in applications where rugged plug-and-play solutions are required. Switch to HEAVYCON EVO now and save storage costs. With industrial plastic or metal connectors, you can save up to 70% compared against the housing versions that have been required until now.

## Versatile

The plastic housings made from PA and the metal housing made from corrosion-resistant aluminum are tested according to IP66 protection and according to IK08 against shock. Fire protection add-ons according to UL94 V0 are guaranteed halogen-free.

## PT inserts

The push-in connection technology, which has been proven a million times over with modular terminal blocks, offers easy and safe handling thanks to the convenient plug-in principle.



## Easy seal

The supporting base elements in the EVO series have compression stops at the four screw connections for the corresponding flat gaskets. This enables improved tightness on uneven plate cutouts to be achieved.

### Complete range

IP66-protected sleeve and coupling housings are available in B6, B10, B16, and B24 design as well as in D15 and D25 design with double and single locking latch. The associated supporting base elements are available as a panel mounting base and box mounting base with and without protective cover.

### Integrated marking options

The housings have marking grooves on the sleeve housing and panel mounting base as standard for easier identification.

### HEAVYCON EVO bayonet locking

The cable gland, which is separate from the housing, is securely locked with just a twist of the wrist thanks to the bayonet locking.

### Improved cable routing

Thanks to the angled, asymmetrical cable outlet, narrower cable routing along the wall is possible when using the straight outlet.

### Effortless mounting

When mounting the connectors, prior bending of the often unwieldy cable is not required. Thanks to the angled outlet, both outlet directions can be used conveniently.

### Reduced part count

HEAVYCON EVO housing units reduce the variety of versions required, thereby cutting your storage costs by up to 70%.



Simply choose the orientation based on space requirements, and this is how it works:



Attach from the side, turn, and snap in...



...and you're done!



Attach straight on, turn, and snap in....



...and you're done!

# For standard requirements – HEAVYCON EVO plastic connectors

The current trend is towards high-performance plastics. This is because plastic can be used to create solutions that are lighter, more resilient, and more environmentally friendly. In addition, in many industries, the use of plastic offers advantages over metal.

Keep track of developments and let yourself be inspired by the advantages of the HEAVYCON EVO plastic connectors.

## Technical data for the housings

- Inflammability class according to UL 94: V0
- Degree of protection according to EN 60529: IP66
- Degree of protection according to UL50e/NEMA: type 4/4x/12
- Strain relief according to: DIN EN 50262
- Housing material: polyamide GF
- Locking latch material: polyamide GF
- Seal material: NBR
- Ambient temperature (operation): -40°C ... +125°C
- Ambient temperature for bayonet locking (operation): -40°C ... +100°C



## Evolution:

Save costs by cutting the parts required by up to 70%.



## Safe application

HEAVYCON EVO connectors made from fiberglass-reinforced polyamide meet all the requirements placed on heavy-duty industrial connectors made from aluminum. This reliability has been tested for numerous applications.



#### Fully compatible

The sleeve housing and supporting base element are mounting and plug-in compatible with aluminum housings from well-known manufacturers. All contact inserts in B series format as well as modular contact inserts can be used in the housings.



#### Locked with just a twist of the wrist

The bayonet locking is easy to lock by hand. You can select the outlet direction you require by turning the cable gland 90°.



#### Safe insertion

Two metal inlays are used to hold the contact inserts and coding screws. They form the electrical bridge between the PE contacts, thereby ensuring compliance with standards. Capacitive PE contact is ensured even when connected at an angle.

# For increased requirements – HEAVYCON EVO metal connectors

Certain sectors of industry are subjected to particularly harsh conditions. This means, for example, that the transmitted signals and data must be protected against electromagnetic influences. With our HEAVYCON EVO metal housing, we offer an economical solution for these applications. Benefit from the advantages of the HEAVYCON EVO connectors – now also for increased requirements.



You can also take advantage of up to 70% savings on housing versions with the HEAVYCON EVO metal connectors.

## Technical data for the housings

- Inflammability class according to UL 94: V0
- Degree of protection according to EN 60529: IP66
- Degree of protection according to UL50e/NEMA: type 4/4x/12
- Strain relief according to: DIN EN 50262
- Housing material: corrosion-resistant die-cast aluminum
- Locking latch material: polyamide GF
- Seal material: NBR, conductive
- Ambient temperature (operation): -40°C ... +125°C
- Ambient temperature for bayonet locking (operation): -40°C ... +100°C



## EMC protection

The new EMC series of HEAVYCON EVO heavy-duty connectors has been specifically developed for applications with increased requirements. Furthermore, the housing surfaces and all seals are constructed so as to be electrically conductive.



**Fully compatible**

The sleeve housing and supporting base element are mounting and plug-in compatible with the EVO plastic connectors and standard connectors from well-known manufacturers.



**Easy closing operation**

The bayonet locking designed specially for EVO applications ensures easy on-site assembly without tools. For removal, a standard screwdriver is used to push down on the locking spring.



**Reliable connection**

A solid electrical connection is required between the housing and the cable gland for safety reasons. This is ensured by means of the inserted steel spring.

# Plastic – quality in every application

The quality of our products is our top priority. This is not tested subsequently on finished products, but is ensured responsibly during every step of production.

A process-oriented, integrated management system ensures that not only legislation and standards, but also customer requirements are taken into account in the manufacturing of our products.

*HEAVYCON EVO plastic connectors are tested in accordance with numerous national and international standards and are suitable for many applications.*

| Mechanical test                  | Parameters                            |
|----------------------------------|---------------------------------------|
| Shock resistance test            | Freefalling hammer, 1.7 kg from 0.3 m |
| Test against static lateral load | At least 250 N per axis               |
| Protection test                  | Jet water/dust/ice                    |
| Shocks from rough handling       | 50 cycles from 0.5 m                  |
| Vibration test                   | 5g, 10 ... 150 Hz, 2.5 hours per axis |
| Shock test                       | 30g, 18 ms                            |
| Strain relief                    | According to DIN 50262                |

| Aging test                                |  |
|---|--|
| Cold                                      | -40°C<br>24 hours with subsequent actuation          |
| Heat                                      | +125°C<br>168 hours with subsequent actuation        |
| Durability test (locking latch actuation) | 1000 cycles, open and close                          |
| Flexion tests (bayonet)                   | 2000 bending operations at an angle greater than 45° |





### Machine building and systems manufacturing

### Offshore wind parks and energy technology

### Shipbuilding



**Protection test:**  
UL50e/NEMA 4/4X/12 and IP66 DIN 60529

**Connector safety:**  
DIN 61984

**Shock resistance test:**  
IK08 according to DIN 50102

**Fluid contamination:**  
DIN EN 60068-2-74

**Vibration test/sinusoidal:**  
DIN 60068-2-6

Endurance by sweeping

**Corrosion test:**  
Cyclic salt spray, DIN EN 60068-2-55

**Environmental influence:**  
Constant damp heat,  
DIN EN 60068-2-78

**Vibration load/resonance range:**  
DIN 60068-2-6 DIN test Fc, Table 3.16

**Cyclic climatic storage:**  
DIN EN 60068-2-30 (test Db)

**Fire hazard testing:**  
DIN EN 60695-11-5 (VDE 0471-11-5)

**Environmental influence:**  
Cyclic salt spray, DIN EN 60068-2-52

**Environmental influence:**  
Cyclic damp heat, DIN EN 60068-2-30

## IP protection test

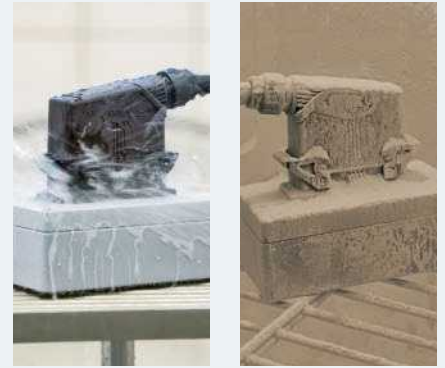
### DIN EN 60529

IP6X: protection of the contact inserts inside the housing against the ingress of dust in the presence of a slight vacuum. Parameters: vacuum: 20 mbar, test duration: 8 hours.

IPX6: protection against the harmful effects of the ingress of powerful jet water.

Parameters: jet nozzle: 12.5 mm, volumetric water flow: 100 l/min, minimum test duration: 3 minutes.

HEAVYCON EVO connectors meet the requirements of IP66 protection: no discernable, visible ingress of dust or water inside the housing.



Jet water test and dust test

## Vibration test

### IEC 60068-2-6

This test demonstrates the vibration resistance of an electrical connection. Harmonic, sinusoidal vibrations are applied to the test object to simulate rotating, pulsating or oscillating forces. Along all three axes (xyz), frequencies in the 10 to 2000 Hz range, for example, are successively applied at a rate of one octave per minute. The r.m.s. value of the acceleration is 50 m/s<sup>2</sup>, for example.

There must be no damage to the test object that might impair further use or adversely affect the constant electrical values.

HEAVYCON EVO connectors meet these high requirements and are therefore suitable for applications on construction vehicles and machinery, for example.



Vibration test according to IEC 60068-2-6

## Temperature shock test

### IEC 60512-11-4, test 11d

In industrial applications, significant temperature differences resulting from the process may occur. In order to simulate such ambient conditions, a two-chamber procedure is used to move the test objects within the space of a few seconds between the lower and upper limit temperature (e.g., -50°C to +85°C) of the product and usually remain there for 45 minutes.

This must not result in damage that might impair further use.

Thanks to the use of high-quality materials, HEAVYCON EVO connectors are suitable for applications at an ambient temperature of -40°C to +100°C with constant temperature response.



HEAVYCON EVO connector in the climatic chamber at -50°C

## IK08 shock resistance test

### DIN EN 50102

During use, housings may be subjected to shock and impact, for example, from falling tools. Testing is carried out with a freefalling hammer weighing 1.7 kg, which is dropped onto the housing five times from a height of 0.3 meters. This is to ensure that no damage is caused which adversely affects function.

The plastic connectors have IK08 shock resistance, which is the same as that of aluminum connectors or aluminum control boxes, and therefore meet the mechanical requirements of heavy-duty industrial connectors.



*Impact of falling hammer weighing 1.7 kg*

## Roll-over test

### According to DIN IEC 62196-1

Housings that are removed during servicing or installation may be subjected to high stresses from moving loads such as heavy pallets or vehicles such as forklift trucks.

A special test is carried out on the EVO housing where a forklift truck weighing several tons is rolled over the housing.

HEAVYCON EVO housings withstand high stresses from heavy, moving loads without any adverse effect on function and are therefore ideal for use in industrial environments.



*Extreme load due to roll-over with a forklift truck*

## Test against dynamic lateral load

### According to DIN IEC 60512-5

During installation, the housings may be partially subjected to high static loads. In this test, a force of 200 N is applied to the cable in 50 cycles. The effect of the force on the locking mechanism and cable gland is particularly detrimental at an angle of 90°.

This test verifies that the HEAVYCON EVO bayonet locking and the double locking latch between the housing and panel mounting frame do not open independently or malfunction even in the case of extreme loads.



*Lateral load of 200 N*

## Ordering data for B design plastic housing with double locking latch

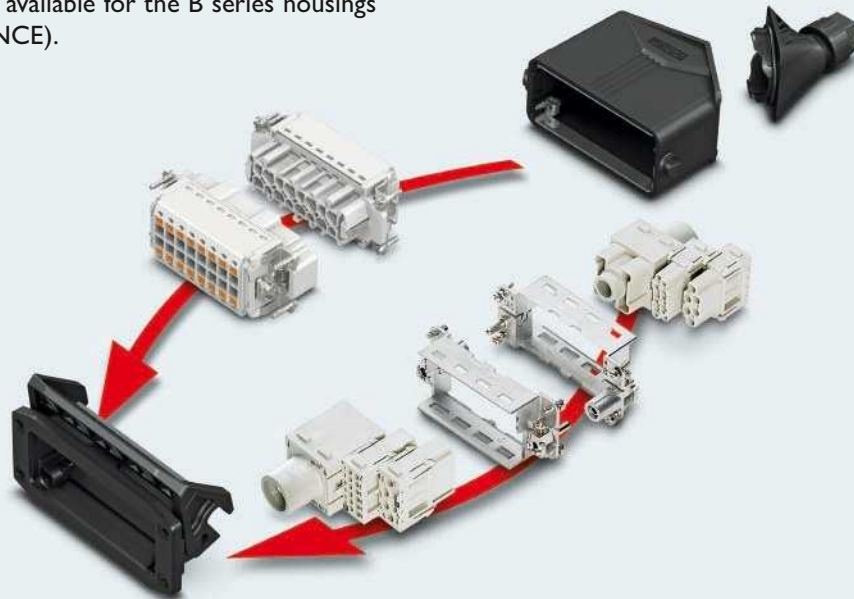
HEAVYCON EVO housings are equipped with a single locking latch or double locking latch. This ensures maximum possible flexibility depending on the application.

Housings with a double locking latch support particularly space-saving alignment sideways.

All box mounting bases and coupling housings are designed as a tall version.

|  |      | Height           | B10                | B16               | B24       |
|--|------|------------------|--------------------|-------------------|-----------|
| <b>Sleeve housing</b>  |      |                  |                    |                   |           |
| <b>For double locking latch</b>  |      |                  |                    |                   |           |
|   | Low  |                  | 1407628            |                   |           |
|  | Tall |                  | 1407629            | 1407643           | 1407657   |
| <b>With double locking latch</b>   |      |                  |                    |                   |           |
|   | Low  |                  | 1407630            |                   |           |
|  | Tall |                  | 1407631            | 1407644           | 1407658   |
|  |      | Screw connection | Cable feed-through | Tightening torque | Order No. |
| <b>Cable gland with bayonet locking</b>  |      |                  |                    |                   |           |
|  | M20  | 7 mm ... 13 mm   | 4 Nm               | 1407669           |           |
|  | M25  | 9 mm ... 17 mm   | 6 Nm               | 1407670           |           |
|  | M32  | 11 mm ... 21 mm  | 10 Nm              | 1407671           |           |
|  | M40  | 19 mm ... 28 mm  | 17 Nm              | 1407672           |           |

In addition to versions with a fixed number of positions, modular contact inserts are also available for the B series housings (EVO, standard, ADVANCE).



Screw connection    **B10**    **B16**    **B24**

**Panel mounting base**

With double locking latch without cover



1407634    1407648    1407661

For double locking latch with cover



1407635    1407649    1407662

**Box mounting base**

With double locking latch without cover



|        |         |         |         |
|--------|---------|---------|---------|
| 2x M32 | 1407638 |         |         |
| 2x M40 |         | 1407652 | 1407665 |

For double locking latch with cover



|        |         |         |         |
|--------|---------|---------|---------|
| 2x M32 | 1407639 |         |         |
| 2x M40 |         | 1407653 | 1407666 |

**Coupling housing**

With double locking latch



1407641    1407655    1407668

**Connector sets with push-in connection**

Size B10 with M25 screw connection



Order No. 1407711  
HC-EVO-B10PT-BWD-HL-M25-PLRBK

Size B16 with M25 screw connection



Order No. 1407712  
HC-EVO-B16PT-BWD-HH-M25-PLRBK

Size B24 with M32 screw connection



Order No. 1407713  
HC-EVO-B24PT-BWD-HH-M32-PLRBK



**Possible combinations for housings with double locking latch**

Left:  
Sleeve housing with double locking latch, panel mounting base for double locking latch


Right:  
Sleeve housing for double locking latch, panel mounting base with double locking latch


## Ordering data for B design plastic housing with single locking latch

HEAVYCON EVO housings are equipped with a single locking latch or double locking latch. This ensures maximum possible flexibility depending on the application.

Housings with a single locking latch can be aligned right under one another.

All box mounting bases and coupling housings are designed as a tall version.

|   | Height | B6      | B10     | B16     | B24     |
|---|--------|---------|---------|---------|---------|
| <b>Sleeve housing</b>   |        |         |         |         |         |
| <b>For single locking latch</b>   |        |         |         |         |         |
|  | Low    | 1407619 | 1407626 |         |         |
|   | Tall   | 1407620 | 1407627 | 1407642 | 1407656 |

|   | Screw connection | Cable feed-through | Tightening torque | Order No. |
|---|------------------|--------------------|-------------------|-----------|
| <b>Cable gland with bayonet locking</b>   |                  |                    |                   |           |
|  | M20              | 7 mm ... 13 mm     | 4 Nm              | 1407669   |
|   | M25              | 9 mm ... 17 mm     | 6 Nm              | 1407670   |
|   | M32              | 11 mm ... 21 mm    | 10 Nm             | 1407671   |
|   | M40              | 19 mm ... 28 mm    | 17 Nm             | 1407672   |

The plastic housings are plug-in and functionally compatible with well-known housing solutions available on the market.



Screw connection

**B6**

**B10**

**B16**

**B24**

### Panel mounting base

#### With single locking latch without cover



|         |         |         |         |
|---------|---------|---------|---------|
| 1407621 | 1407632 | 1407646 | 1407659 |
|---------|---------|---------|---------|

#### With single locking latch with cover



|         |         |         |         |
|---------|---------|---------|---------|
| 1407622 | 1407633 | 1407647 | 1407660 |
|---------|---------|---------|---------|

### Box mounting base

#### With single locking latch without cover



|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| 2x M32 | 1407623 | 1407636 |         |         |
| 2x M40 |         |         | 1407650 | 1407664 |

#### With single locking latch with cover



|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| 2x M32 | 1407624 | 1407637 |         |         |
| 2x M40 |         |         | 1407651 | 1407663 |

### Coupling housing

#### With single locking latch



|         |         |         |         |
|---------|---------|---------|---------|
| 1407625 | 1407640 | 1407654 | 1407667 |
|---------|---------|---------|---------|

### Connector sets with push-in connection

#### Size B6 with M20 screw connection



Order No. 1407710  
HC-EVO-B06PT-BWSC-HL-M20-PLRBK

#### Size B10 with M25 screw connection



Order No. 1408791  
HC-EVO-B10PT-BWSC-HL-M25-PLRBK

#### Size B16 with M25 screw connection



Order No. 1408793  
HC-EVO-B16PT-BWSC-HH-M25-PLRBK

#### Size B24 with M32 screw connection



Order No. 1408794  
HC-EVO-B24PT-BWSC-HH-M32-PLRBK


## Ordering data for B design metal housing with double locking latch


HEAVYCON EVO housings are equipped with a single locking latch or double locking latch. This ensures maximum possible flexibility depending on the application.

Housings with a double locking latch support particularly space-saving alignment sideways.

All coupling housings are designed as a tall version.

|   |      | Height | B10     | B16     | B24     |
|---|------|--------|---------|---------|---------|
| <b>Sleeve housing</b>   |      |        |         |         |         |
| <b>For double locking latch</b>   |      |        |         |         |         |
|  | Low  |        | 1411455 |         |         |
|   | Tall |        | 1411451 | 1411460 | 1411472 |

|   |      |  |         |         |         |
|---|------|--|---------|---------|---------|
| <b>With double locking latch</b>  |      |  |         |         |         |
|  | Low  |  | 1411457 |         |         |
|   | Tall |  | 1411454 | 1411462 | 1411474 |

|  |     | Screw connection | Cable feed-through | Order No. |
|--|-----|------------------|--------------------|-----------|
| <b>Cable gland with bayonet locking</b>  |     |                  |                    |           |
|  | M20 |                  | 7 mm ... 13 mm     | 1411439   |
|  | M25 |                  | 11 mm ... 16 mm    | 1411446   |
|  | M32 |                  | 14 mm ... 21 mm    | 1411440   |
|  | M40 |                  | 19 mm ... 27 mm    | 1411441   |

With the new EMC housings, a complete panel feed-through system is available for EMC applications.





**B10****B16****B24****Panel mounting base****With double locking latch without cover**

1411322

1411327

1411331

**For double locking latch with cover**

1411323

1411328

1411332

**Coupling housing****With double locking latch**

1411458

1411463

1411475

**Connector sets with push-in connection****Size B10 with M25 screw connection**Order No. 1411488  
HC-EVO-B10PT-BWVD-HL-M25ELC-AL**Size B16 with M25 screw connection**Order No. 1411489  
HC-EVO-B16PT-BWVD-HH-M25ELC-AL**Size B24 with M32 screw connection**Order No. 1411490  
HC-EVO-B24PT-BWVD-HH-M32ELC-AL**Possible combinations for housings with double locking latch**

Left:

Sleeve housing with double locking latch, panel mounting base for double locking latch

Right:


Sleeve housing for double locking latch, panel mounting base with double locking latch


## Ordering data for B design metal housing with single locking latch

HEAVYCON EVO housings are equipped with a single locking latch or double locking latch. This ensures maximum possible flexibility depending on the application.

Housings with a single locking latch can be aligned right under one another.

All coupling housings are designed as a tall version.

|   | Height | B6      | B10     | B16     | B24     |
|---|--------|---------|---------|---------|---------|
| <b>Sleeve housing for single locking latch</b>                                    |        |         |         |         |         |
| <b>For single locking latch</b>   |        |         |         |         |         |
|  | Low    | 1411448 | 1411456 |         |         |
|   | Tall   | 1411447 | 1411453 | 1411461 | 1411473 |

|   | Screw connection | Cable feed-through | Order No. |
|---|------------------|--------------------|-----------|
| <b>Cable gland with bayonet locking</b>   |                  |                    |           |
|  | M20              | 7 mm ... 13 mm     | 1411439   |
|   | M25              | 11 mm ... 16 mm    | 1411446   |
|   | M32              | 14 mm ... 21 mm    | 1411440   |
|   | M40              | 19 mm ... 27 mm    | 1411441   |

The HEAVYCON EVO housings are plug-in and functionally compatible with well-known housing solutions available on the market.



**B6****B10****B16****B24****Panel mounting base****With single locking latch without cover**

|         |         |         |         |
|---------|---------|---------|---------|
| 1411318 | 1411320 | 1411324 | 1411329 |
|---------|---------|---------|---------|

**With single locking latch with cover**

|         |         |         |         |
|---------|---------|---------|---------|
| 1411319 | 1411321 | 1411325 | 1411330 |
|---------|---------|---------|---------|

**Coupling housing****With single locking latch**

|         |         |         |         |
|---------|---------|---------|---------|
| 1411450 | 1411459 | 1411464 | 1411476 |
|---------|---------|---------|---------|

**Connector sets with push-in connection****Size B6 with M20 screw connection**

Order No. 1411487  
HC-EVO-B06PT-BWSC-HL-M20ELC-AL

**Size B10 with M25 screw connection**

Order No. 1411491  
HC-EVO-B10PT-BWSC-HL-M25ELC-AL

**Size B16 with M25 screw connection**

Order No. 1411492  
HC-EVO-B16PT-BWSC-HH-M25ELC-AL

**Size B24 with M32 screw connection**


Order No. 1411493  
HC-EVO-B24PT-BWSC-HH-M32ELC-AL

## Ordering data for D design plastic housing with single locking latch

Housings with a single locking latch can be aligned right under one another.

All box mounting bases and coupling housings are designed as a tall version.

|   | D15     | D25     |
|---|---------|---------|
| <b>Sleeve housing</b>   |         |         |
| For single locking latch  |         |         |
|  | 1411340 | 1411347 |

|   | Screw connection | Cable feed-through | Tightening torque | Order No. |
|---|------------------|--------------------|-------------------|-----------|
| <b>Cable gland with bayonet locking</b>   |                  |                    |                   |           |
|  | M20              | 7 mm ... 13 mm     | 4 Nm              | 1411350   |
|   | M25              | 9 mm ... 17 mm     | 6 Nm              | 1411351   |

Screw  
connection

D15

D25

### Panel mounting base

#### With single locking latch without cover



1411336

1411344

#### With single locking latch with cover



1411337

1411345

### Box mounting base

#### With single locking latch without cover



2x M25

1411341

1407636

#### With single locking latch with cover



2x M32

1411343

1411349

### Coupling housing

#### With single locking latch



1411338

1411346

### Connector sets with screw connection

#### Size D15 with M20 screw connection without cover



Order No. 1411356  
HC-EVO-A10UT-BWS-HH-M20-PLRBK

#### Size D15 with M20 screw connection with cover



Order No. 1411357  
HC-EVO-A10UT-BWSC-HH-M20-PLRBK

#### Size D25 with M25 screw connection without cover




Order No. 1411358  
HC-EVO-A16UT-BWS-HH-M25-PLRBK

#### Size D25 with M25 screw connection with cover





Order No. 1411359  
HC-EVO-A16UT-BWSC-HH-M25-PLRBK


## Ordering data for accessories


| Series  | Connection | Connection cross section | Rated current              | Rated voltage | No. of positions | B6     | B10     | B16     | B24     | B32     | B48     |         |
|---|------------|--------------------------|----------------------------|---------------|------------------|--------|---------|---------|---------|---------|---------|---------|
| <b>Contact inserts with a fixed number of positions with push-in connection</b>   |            |                          |                            |               |                  |        |         |         |         |         |         |         |
|  | <b>B</b>   | Push-in (PT)             | 0.14 - 2.5 mm <sup>2</sup> | 16 A          | 500 V            | Socket | 1407727 | 1407729 | 1407731 | 1407735 | 1407731 | 1407735 |
|   |            |                          |                            |               |                  |        | –       | –       | –       | –       | 1407733 | 1407737 |
|   |            |                          |                            |               |                  | Pin    | 1407728 | 1407730 | 1407732 | 1407736 | 1407732 | 1407736 |
|   |            |                          |                            |               |                  |        | –       | –       | –       | –       | 1407734 | 1407738 |


Further contact inserts with a fixed number of positions and modular contact inserts can be found on the Phoenix Contact website.


|   | Cable Ø  | Order No. |
|---|--|-----------|
| <b>Metal gland</b>  |  |           |
|  | For EVO metal housing, not for EMC applications. |           |
|   | 7 mm ... 13 mm                                   | 1411442   |
|   | 11 mm ... 16 mm                                  | 1411443   |
|   | 14 mm ... 21 mm                                  | 1411444   |
|   | 19 mm ... 27 mm                                  | 1411445   |


|   | Outside Ø   | Thread | Order No. |
|---|---|--------|-----------|
| <b>Screw connection for plastic protective hoses</b>                              |   |        |           |
|  | Screw connection, IP66, straight, with metric thread, for protective hose outside diameter. |        |           |
|   | 21.2 mm   | M20    | 3241220   |
|   | 28.5 mm   | M25    | 3241221   |
|   | 34.5 mm   | M32    | 3241222   |
|   | 42.5 mm   | M40    | 3241223   |


|   | Cable Ø                         | Thread | Order No. |
|---|---------------------------------|--------|-----------|
| <b>Plastic gland</b>  |                                 |        |           |
|  | Black, for cable diameter (mm). |        |           |
|   | 5 mm ... 13 mm                  | M20    | 1411261   |
|   | 8 mm ... 17 mm                  | M25    | 1411258   |
|   | 12 mm ... 21 mm                 | M32    | 1407673   |
|   | 16 mm ... 28 mm                 | M40    | 1407674   |


|  | Outside/inside Ø           | Bending radius Static/dynamic | Order No. |
|--|----------------------------|-------------------------------|-----------|
| <b>Plastic protective hose</b>   |                            |                               |           |
|  | Black, plastic, PA 6.6 HB. |                               |           |
|  | 21.2 mm/16.5 mm            | 45 mm/75 mm                   | 3240683   |
|  | 28.5 mm/23 mm              | 55 mm/100 mm                  | 3240684   |
|  | 34.5 mm/29 mm              | 65 mm/120 mm                  | 3241088   |
|  | 42.5 mm/36 mm              | 90 mm/150 mm                  | 3241089   |


|   | Thread                     | Order No. |
|---|----------------------------|-----------|
| <b>Plastic filler plug</b>  |                            |           |
|  | For metric screw openings. |           |
|   | M25                        | 1411245   |
|   | M32                        | 1410754   |
|   | M40                        | 1410767   |

|   | Reduction                  | Order No. |
|---|----------------------------|-----------|
| <b>Plastic reducing adapter</b>   |                            |           |
|  | For metric screw openings. |           |
|   | M32 to M25                 | 1410712   |
|   | M32 to M20                 | 1410725   |
|   | M40 to M32                 | 1410738   |
|   | M40 to M25                 | 1410741   |


|   | Thread  | Order No. |
|---|---|-----------|
| <b>Plastic thread adapter</b>   |   |           |
|  | Enables the use of standard cable glands with D design HEAVYCON EVO housings. |           |
|   | M25   | 1411352   |
|   | PG16  | 1411353   |
|   | NPT   | 1411354   |


|  | B6  | B10     | B16     | B24     |
|--|---|---------|---------|---------|
| <b>Cover plate</b>   |   |         |         |         |
|  | For HEAVYCON panel cutouts, height: 3.5 mm. |         |         |         |
|  | 1660368                                     | 1660371 | 1660384 | 1660397 |


| <b>Replacement latch</b>  |  |         |         |         |
|---|--|---------|---------|---------|
|  | Single locking latch, plastic, for HEAVYCON EVO plastic housing. |         |         |         |
|   | 1407697  | 1407698 | 1407700 | 1407701 |
|   | Double locking latch, plastic, for HEAVYCON EVO plastic housing. |         |         |         |
|   | 1407696  | 1407696 | 1407696 |         |


| <b>Replacement flat gasket</b>  |  |         |         |         |
|---|--|---------|---------|---------|
|  | Replacement flat gasket, for HEAVYCON EVO plastic panel mounting base. |         |         |         |
|   | 1407702  | 1407703 | 1407704 | 1407705 |

| <b>Replacement EMC flat gasket</b>  |   |         |         |         |
|---|---|---------|---------|---------|
|  | For HEAVYCON EVO metal panel mounting base. |         |         |         |
|   | 1411483                                     | 1411484 | 1411485 | 1411486 |

| <b>Replacement profile gasket</b>   |   |         |         |         |
|---|---|---------|---------|---------|
|  | Replacement profile gasket, for HEAVYCON EVO plastic supporting base element. |         |         |         |
|   | 1407706   | 1407707 | 1407708 | 1407709 |

| <b>Replacement EMC profile gasket</b>   |   |         |         |         |
|---|---|---------|---------|---------|
|  | For HEAVYCON EVO metal supporting base element. |         |         |         |
|   | 1411477   | 1411479 | 1411480 | 1411482 |

|  | B6   | B10     | B16     | B24     | B32     |
|--|--|---------|---------|---------|---------|
| <b>Plastic protective cover</b>  |  |         |         |         |         |
|                   | Protective cover, for panel mounting base, box mounting base, and coupling housing with single locking latch, with retaining cord, without seal. |         |         |         |         |
|  | 1660180  | 1660177 | 1660151 | 1660148 |         |
|  | Protective cover, for panel mounting base, box mounting base, and coupling housing with double locking latch, with retaining cord, without seal. |         |         |         |         |
|  |  | 1772586 | 1772599 | 1772609 | 1646120 |
|  | Protective cover, for sleeve housing without single locking latch, with retaining cord, with seal.   |         |         |         |         |
|  | 1678282  | 1678295 | 1678318 | 1678334 |         |
| Protective cover, for sleeve housing without double locking latch, with retaining cord, with seal. |  |         |         |         |         |
|  | 1678305  | 1678321 | 1678347 |         |         |
| Protective cover, for sleeve housing with double locking latch, with retaining cord, with seal.    |  |         |         |         |         |
|  | 1687260  | 1687273 | 1687286 |         |         |

| <b>EVO housing marking label</b>  |   |
|---|---|
|  | Unmarked, UniSheet, 0.5 mm thick, 70-section, lettering field size: 20 x 9 mm, white. |
|   | 0829439   |



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