



HEAVYCON heavy-duty connectors

Compatibility for today – Technology for tomorrow

The right connector for every application with HEAVYCON

Heavy-duty connectors from the HEAVYCON series protect your connections and ensure secure power, data, and signal transmission even under the harshest conditions. Resistant to dirt, water, vibrations, and high mechanical stresses, the connections remain secure with UL Type 4X and an IP69 degree of protection. You will always have the right plug-in connection for your requirements with housings from our various series types with convenient matching contact inserts.

Space-saving series

D7 series

The D7 series offers the most compact format for heavy-duty interconnect. At the same time, it accommodates signal, data, and power transmissions.

- Smallest footprint
- Up to 40A per pin
- Includes Cat6 RJ45 solutions
- Available in salt water-resistant aluminum or plastic housings

EVO M1 (Modular 1)

The plastic M1 single module housings accommodate a modular contact insert and a PE module, thus enabling extremely compact interfaces.

- A cost-effective method for protecting single modules
- Can utilize nearly all single-slot modules
- Separate PE terminals available for grounding

HEAVYCON COM (Compact)

This series' space-saving design is compatible with other compact rectangular connectors on the market today. It offers a unique grounding method by tying the center PE pin to the mounting screws, eliminating the need for a secondary grounding connection inside the housing.

- Salt water-resistant aluminum
- Plastic housings with integrated cable glands
- Crimp, PT, and axial screw terminations
- Connects with M12 Power distribution boxes

D15/D25 Series

EVO housings in sizes D15 and D25 are very narrow and protect your interfaces even when space is limited.

- Slim design for tight installations
- Salt water-resistant aluminum housings
- Plastic EVO housings



PXR What is it?

Phoenix Contact eXtended Reality

Using PXR

Scan QR codes located throughout this document with your mobile device camera or QR code reader to launch PXR.

Interact with the 3D model of the product. Click the 'Website' button to see listings, or 'View in my space' to project the model into your area (AR experience).

Scan the above QR code to get started!



Standard B-series

HEAVYCON STA (Standard)

STANDARD housings are distinguished by a wide range of robust metal housings with various cable outlet directions and locking mechanisms.

- High corrosion resistance
- Flexible single- or double-locking latches
- Mounting and plug-in compatible
- IP66/IP67

HEAVYCON EVO (Evolution)

The bayonet lock of the EVO series enables you to adjust the cable outlet direction flexibly onsite.

- Free selection of cable outlet direction
- Lower logistics costs
- Flexible single- or double-locking latches
- Mounting and plug-in compatible

HEAVYCON ADV (Advance)

ADVANCE housings are particularly robust and durable, due to the direct screw-locking mechanism without a panel mounting base.

- High degree of protection ideal for increased environmental requirements
- Cost advantage with direct mounting
- Mounting compatible
- IP68/IP69



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HeavyCORE initiative

Under HEAVYCON, there are thousands of components that can be combined in over 70 million different combinations. That being said, many requirements can be satisfied with a select set of those components. That's where HeavyCORE comes in.

HeavyCORE is a new program focusing on the products that yield the most “bang for your buck” by focusing predominantly on components that boost productivity.

Throughout this brochure, several items will be highlighted as HeavyCORE program items. Utilizing these components to fulfill your design needs provides the following:

- ✓ Best stock position and availability
- ✓ Puts Phoenix Contact technology to work for you
 - Boosts productivity
 - Reduces inventory liability
 - Allows for additional versatility during assembly and installation
- ✓ Provides an avenue to support more traditional designs

Where to find HeavyCORE online:

- i** **Web code: #2689** Contact inserts and contacts
- i** **Web code: #2690** Housings
- i** **Web code: #2691** Cable glands and adapters

Pushing beyond...

While compatible with other manufacturer's standard rectangular connectors, Phoenix Contact offers technological advantages others simply cannot match.

- Snap-in modular insert frames
- EVO bayonet locking system for glands and adapters
- Das Original PT wire terminations
- High-grade aluminum housings that eliminate the need for powder coatings
- Compact mounting screw PE grounding
- Cost-effective single modular insert housings – EVO M1
- ADV housing for reduced cost, tool disconnect, and enhanced sealing properties



Switch to HEAVYCON EVO

Save on material and storage costs. The flexibly mounted cable gland with bayonet lock replaces up to eight types of STA standard housings. The EVO gland can accommodate either top or side entry at time of installation.

Where to find

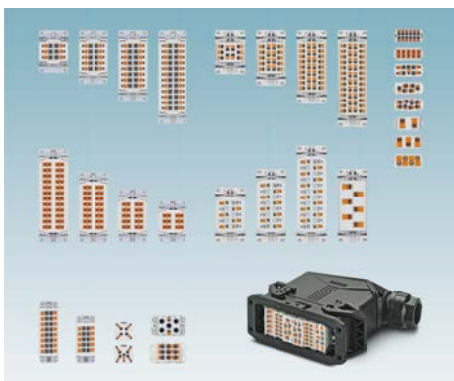
Look for the highlighted items throughout the brochure.

Panel mounting bases with single-locking latch

| | | | | | | | | | | | | | |
|--|---------------|--|---------|---------|---------|---------|---------|--|---------|---------|---------|---------|---------|
| | Without cover | | 1411318 | 1411320 | 1411324 | 1411329 | 1424863 | | 1411318 | 1411320 | 1411324 | 1411329 | 1424863 |
| | With cover | | 1411319 | 1411321 | 1411325 | 1411330 | 1424864 | | 1411319 | 1411321 | 1411325 | 1411330 | 1424864 |

Surface mounting housings with single-locking latch

| | | | | | | | | | | | | | |
|-----|----------------------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|
| | Low, without cover | M20 | 1412821 | 1412839 | | | | Pg16 | 1412823 | 1412842 | | | |
| | | M25 | 1412822 | 1412840 | 1412861 | 1412877 | | Pg21 | 1412824 | 1412843 | 1412863 | 1412879 | |
| | | M32 | | | 1412862 | 1412878 | | Pg29 | | | | | |
| | | M40 | | | | | | Pg36 | | | | | |
| | High*, without cover | M25 | 1082556 | 1082578 | 1082586 | | | | | | | | |
| | | M32 | 1082559 | 1082579 | 1082587 | 1082592 | 1424867 | Pg29 | | | | | 1424865 |
| | | M40 | 1082566 | 1082580 | 1082588 | 1082593 | 1424868 | Pg36 | | | | | 1424866 |
| | Low, with cover | M20 | 1412825 | 1412844 | | | | Pg16 | 1412827 | 1412846 | | | |
| M25 | | 1412826 | 1412845 | 1412865 | 1412881 | | Pg21 | | | 1412867 | 1412883 | | |



User-friendly push-in connection

Contact inserts with push-in connection provide easy wiring with quick connection time and a secure connection.



Simply snap into place

Mount any module combination quickly and easily with the innovative snap-in frame. Snap the contact inserts into place – job done. Springs on the side accommodate the modules and securely hold them in position.



Quality in every application

A process-oriented, integrated management system ensures that legislation and standards, as well as customer requirements are taken into account during the manufacturing of our products.

Modular contact inserts – everything in one housing

With HEAVYCON modular, you can create your own individual connector. By combining a wide range of transmission media in one housing, you can easily create your highly compact interface. The broad product range is comprised of contact inserts for power, signal, and data transmission, as well as for pneumatic applications.

The innovative snap-in frame with sturdy catch springs enables quick mounting, and it fits into all HEAVYCON B series housings.

i Web code: #0516



For all applications

We provide modules for currents of up to 200 A, voltages of up to 2,500 V, signal transmission up to 25 pos., secure data transmission, and inserts for pneumatic applications.



Simply snap into place

Mount any module combination quickly and easily with the innovative snap-in frame. Snap the contact inserts into place – job done. Springs on the side accommodate the modules and securely hold them in position.



Easy wiring

Achieve fast contact termination without tools – contact inserts with push-in connection provide a convenient conductor connection resistant to vibrations.

Push-in Technology[®]

Designed by PHOENIX CONTACT

Know that you have the right connector for every application with our comprehensive range of contact inserts, complete with modules and frames compatible with the market standard.



Data transmission via RJ45

Easily integrate RJ45 data cables into your application with the RJ45 modules. We also offer pre-assembled patch cables which are immediately ready for installation.



Flexible, even in tight installation spaces

The plastic M1 single-module housings accommodate a modular contact insert and a PE module, thus enabling extremely compact interfaces.



For high packing density

We provide push-in inserts with a compact terminal chamber for high-position applications and modules that allow two wires per terminal for daisy chaining.

HEAVYCON EVO – ingenious flexibility

Switch to HEAVYCON EVO now and save on material and storage costs. The flexibly mounted cable gland with bayonet lock replaces up to eight types of STA standard housings. Thanks to the angled outlet, both outlet directions can be conveniently used.

The EVO housings are secure and reliable, with shock-proofing up to IK09 and the qualifications to satisfy the requirements of the IP66/IP67 degrees of protection.

i Web code: #0518



Flexible, even in tight installation spaces

The plastic M1 single-module housings accommodate a modular contact insert and a PE module, thus enabling extremely compact interfaces.



For conditions with limited space

EVO housings in sizes D15 and D25 are very narrow and protect your interfaces even when space is limited.



Two flexible cable outlets

The EVO TWIN housings have two flexible cable outlets on one plastic housing, providing space for a wide variety of cables.



Flexible connection in moments

The cable gland is separate from the housing, and is securely locked into place in mere moments using the bayonet lock, so there is no need for special tools.



Two outlet directions

Thanks to the flexible bayonet locking, you can determine the cable outlet direction on site and subsequently change it, if required. You have the choice of a straight or side outlet.



Reduced number of versions

HEAVYCON EVO housings reduce the number of versions, and therefore your warehousing costs, by up to 70%. Using just one housing type and four cable glands, you can implement solutions for every possible application.



Fully compatible

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

Configure and order heavy-duty connectors online

The new HEAVYCON online configurator provides you with ideal support for designing your tailor-made connector. Select from countless possible combinations. The configurator will only recommend parts suitable for the selected components.

Thanks to simple filter menus, 2D and 3D product images, as well as an intuitive user interface, you can configure your connectors in just a few steps – without errors. You can add your solution to the shopping cart and download your bill of material immediately.



Your advantages

- ✓ Convenient configuration with just a few entries
- ✓ Intuitive operation with drag-and-drop
- ✓ Custom combination in accordance with your specific requirements
- ✓ User-friendly visualization with real-time 3D representation of your configuration
- ✓ Easy planning with 2D or 3D data that you can import into your CAD software

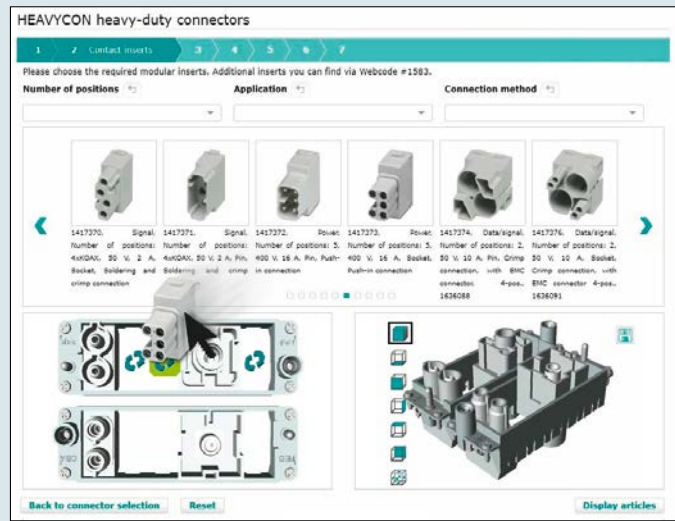
Online configurator for heavy-duty connectors

Image representations simplify selection

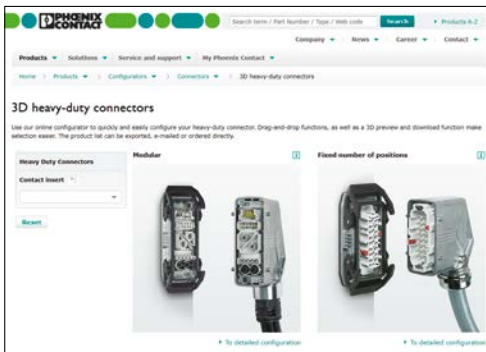
Simply drag the components to the desired position using the drag-and-drop function, and the configurator automatically updates the preview.

For quick access to the configurator for heavy-duty connectors, simply enter the web code into the search field on our website.

i Web code: #3

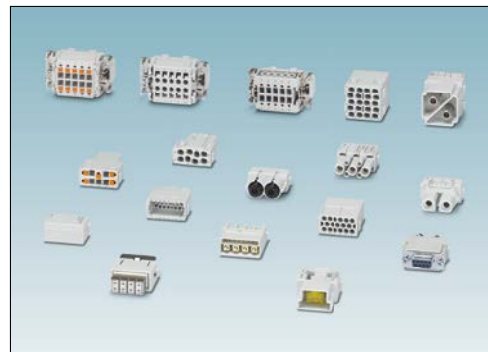


Your desired connector in just a few steps



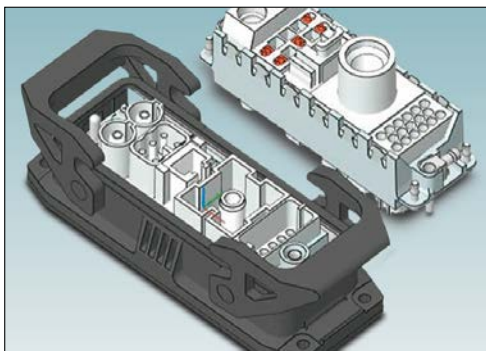
1. Select connector type

HEAVYCON complete features housings, contact inserts with a fixed number of positions, and modular contact inserts for all applications.



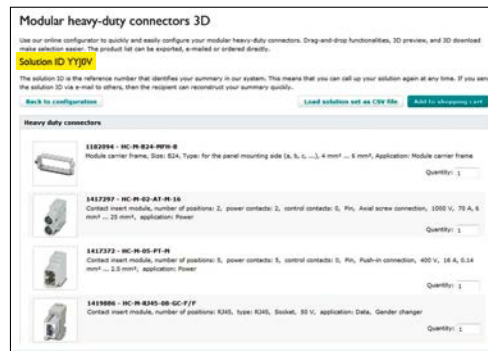
2. Combine inserts and housing

Select the appropriate contact inserts for the transmission of data, signals, power, or pneumatic applications in accordance with your requirements. Then specify the housing and gland.



3. Download the CAD data

Integrate the fully configured solution into your CAD system.



4. Download the configuration

The product list can be exported, processed further, or added to the cart. Most importantly, you can call up the configuration at any time by entering the solution ID into our website search field.



Contact inserts for D7 housings

i Web code: #0586

| | Connection | Connection cross-section IEC // UL | Rated current IEC // UL | Rated voltage IEC // UL | Version | Number of positions | |
|-----------------|---------------------|---|---------------------------|-------------------------|---------|---------------------|--|
| A series | | | | | | 3 | 4 |
| | Push-in (PT) | 0.14 mm ² ... 1.5 mm ² AWG 16 | 16 A // 17.5 A | 230/400 V // 600 V | Female | 1585265 | 1585281 |
| | | | | | Male | 1585252 | 1585278 |
| | Screw (UT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 16 A // 24 A | 230/400 V // 600 V | Female | 1585223 | 1585249 |
| | | | | | Male | 1585210 | 1585236 |
| D series | | | | | | 7 | 8 |
| | Crimp CK 1,6 (CT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 10 A // 12 A | 50 V // 600 V | Female | | 1584363 |
| | | | | | Male | | 1584350 |
| | Crimp CK 1,6 (CT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 10 A // 12 A | 250 V // 600 V | Female | 1584347* | |
| | | | | | Male | 1584334* | |
| Q series | | | | | | 2 | 3 |
| | Crimp CK 4,0 (CT) | 1.5 mm ² ... 6.0 mm ² AWG 10 | 40 A // 50 A | 400 V // 600 V | Female | 1419895 | 1419897 |
| | | | | | Male | 1419893 | 1419896 |
| | | | | | | 4 | |
| | Crimp CK 4,0 (CT) | 1.5 mm ² ... 6.0 mm ² AWG 10 | 40 A // 50 A | 830 V // 600 V | Female | 1419899* | |
| | | | | | Male | 1419898* | |
| | | | | | | 5 | |
| | Crimp CK 2,5 (CT) | 0.5 mm ² ... 2.5 mm ² AWG 14 | 20 A // 24 A | 230/400 V // 600 V | Female | 1406537 | |
| | | | | | Male | 1406538 | |
| | | | | | | 7 | |
| | Crimp CK 1,6 (CT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 12 A // 17.5 A | 400 V // 600 V | Female | 1418623 | |
| | | | | | Male | 1418624 | |
| | | | | | | 12 | |
| | Crimp CK 1,6 (CT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 12 A // 15 A | 400 V // 600 V | Female | 1418625 | |
| | | | | | Male | 1418626 | |
| | | | | | | RJ45 | |
| | RJ45 gender changer | | CAT6 _A | | Female | 1422590 | |
| | RJ45 male insert | | CAT6 _A | | Male | 1077117 | |
| | RJ45 adapter | | For RJ45 patch cables | | Male | 1077120 | Compatible patch cables listed in 1077120's "Accessories" tab on website |
| | RJ45 adapter | | For RJ industrial inserts | | Male | 1077119 | |

* Only suitable for plastic housings.
For crimp contacts, see pages 22-23.

Denotes **HeavyCORE** stock designation product

| | Version | | Plastic (IP66) | | Metal (IP66/67) | | | HPR (IP68/69K) | |
|--|--------------------|--------------------|----------------|---------|-----------------|---------|---------|----------------|---------|
| | | | M20 | M25 | M20 | M25 | Pg11 | M20 | M25 |
| Sleeve housings | | | | | | | | | |
|  | Straight | | 1419255 | 1419256 | 1419229 | 1419231 | 1419232 | 1424638 | 1424639 |
| | Side | | 1419257 | 1419258 | 1419235 | 1419236 | 1419237 | | |
| Panel mounting bases, straight | | | | | | | | | |
|  | Without cover | | 1419265 | | 1419249 | | | 1424637 | |
| | With cover | For male inserts | 1419278 | | 1419250 | | | | |
| | | For female inserts | 1419277 | | 1419251 | | | | |
| Panel mounting bases, angled | | | | | | | | | |
|  | | | 1419266 | | 1419252 | | | 1424635 | |
| Surface mounting housings | | | | | | | | | |
|  | With open bottom | | 1419267 | | 1419253 | | 1419233 | | |
| | With closed bottom | | 1419268 | | 1419234 | | 1419241 | 1424641 | |
| Coupling housings | | | | | | | | | |
|  | Without cover | | 1419259 | 1419260 | 1419238 | 1419239 | 1419240 | | |
| | With cover | For male inserts | 1419263 | 1419264 | 1419246 | 1419247 | 1419248 | | |
| | | For female inserts | 1419261 | 1419262 | 1419243 | 1419244 | 1419245 | | |
| Feed-through headers, for mounting connector system to machine structure | | | | | | | | | |
|  | | | 1419269 | | 1419242 | | | | |
| Covers for sleeve housings | | | | | | | | | |
|  | | For male inserts | 1419275 | | | | | | |
| | | For female inserts | 1419274 | | | | | | |
| Covers for panel mounting bases, surface mounting housings, and coupling housings | | | | | | | | | |
|  | | For male inserts | 1419271 | | | | | 1424636 | |
| | | For female inserts | 1419270 | | | | | 1424636 | |


For suitable cable glands, see page 32 onwards.

 Denotes **HeavyCORE** stock designation product




Contact inserts for COMPACT series housings

i Web code: #2158

| | Connection | Connection cross-section power // signal | Rated current power // signal | Rated voltage power // signal | Version | Number of pos. | |
|---|--------------------|--|----------------------------------|----------------------------------|---------|----------------|---------|
| | | | | | | 4/2 | 8 |
| Compact series | | | | | | | |
|  | Axial screw (A) | 0.5 mm ² ... 6 mm ² // 0.34 mm ² ... 1.5 mm ² AWG 10 // AWG 16 | 40 A // 10 A | 400/690 V//250 V | Female | 1079557 | |
| | | | | | Male | 1079558 | |
| | Crimp CK 1 (CT) | 0.5 mm ² ... 6 mm ² // 0.34 mm ² ... 1.5 mm ² AWG 10 // AWG 16 | 40 A // 10 A | 400/690 V//250 V | Female | 1079556 | |
| | | | | | Male | 1079555 | |
| | Push-in (PT) | 0.5 mm ² ... 2.5 mm ² AWG 14 | 16 A | 500 V | Female | | 1079554 |
| | | | | | Male | | 1079553 |
| | Crimp (CT) | 0.5 mm ² ... 4 mm ² AWG 12 | 16 A | 500 V | Female | | 1079547 |
| | | | | | Male | | 1079548 |

COMPACT series housings

i Web code: #2157

| | Version | Plastic (IP66) | Metal |
|---|----------|----------------|---------|
| Sleeve housings, M25 | | | |
|  | Straight | 1012520 | 1078590 |
|  | Side | 1012581 | 1078592 |
| Panel mounting bases | | | |
|  | Straight | 1012538 | 1078594 |
| Panel mounting bases | | | |
|  | Angled | 1012433 | 1078593 |
| Surface mounting housings | | | |
|  | | 1079393 | 1078596 |
| Coupling housings | | | |
|  | | 1012521 | 1078595 |

For crimp contacts, see pages 22-23.
For suitable cable glands, see page 32 onwards.






 Denotes **HeavyCORE** stock designation product



EVO M1 housings and PE modules




Use any single-slot modular insert from pages 18-19 with EVO M1.

* Exception – 5-pos. Twin-PT insert is not recommended for use with EVO M1

| | Module slots | Size | Locking | Type | Order no. |
|--|---|-------|---------|------------------------------|---------------------------------|
| EVO M1 housings for one modular contact insert | | | | | |
|  | Sleeve housings | | | | |
| |  | 1 1/2 | M1 | For single-locking latch | HC-EVO-M1-HHFS-PLBK 1424436 |
| | Panel mounting bases | | | | |
| |  | 1 1/2 | M1 | With single-locking latch | HC-EVO-M1-BVVS-PLRBK 1424437 |
| | 1/2 PE contact insert modules | | | | |
| |  | 1/2 | | Female | HC-1/2M-UT-F-6-PE 1424438 |
|  | 1/2 | | Male | HC-1/2M-UT-M-6-PE 1424439 | |

For suitable cable glands, see below.

EVO bayonet adapters for use with EVO M1





| | Cable Ø in mm | Thread | Plastic |
|---|---------------|--------|---------|
| EVO cable gland with bayonet locking | | | |
|  | 7 ... 13 | | 1411350 |
| | 9 ... 17 | | 1411351 |
| EVO thread adapter | | | |
|  | | M25 | 1411352 |
| | | PG16 | 1411353 |
| Conduit adapter | | | |
|  | | M25 | 3240899 |
| | | PG16 | 3240891 |

Denotes HeavyCORE stock designation product



Contact inserts for D15, D25, D50 housings

i Web code: #1952

| | Connection | Connection cross-section IEC // UL | Rated current IEC // UL | Rated voltage IEC // UL | Version | Housing size | | |
|--|----------------------|---|----------------------------|----------------------------|---------|----------------------------|-----------|---------------|
| | | | | | | D15 | D25 | D50 |
| A series | | | | | | Number of positions | | |
| | | | | | | 10 | 16 | 2 x 16 |
|  | Push-in (PT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 16 A // 17 A | 250 V // 600 V | Female | 1585362 | 1585388 | 1585388 |
| | | | | | Male | 1585359 | 1585375 | 1585375 |
|  | Screw (UT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 16 A // 19 A | 250 V // 600 V | Female | 1585304 | 1585320 | 1585320 |
| | | | | | Male | 1585294 | 1585317 | 1585317 |
|  | Crimp CK 2,5 (CT) | 0.5 mm ² ... 4.0 mm ² AWG 12 | 16 A // 20 A | 250 V // 600 V | Female | 1676983 | 1677018 | 1677018 |
| | | | | | Male | 1676996 | 1677034 | 1677034 |
| D series | | | | | | Number of positions | | |
| | | | | | | 15 | 25 | 2 x 25 |
|  | Crimp CK 1,6 (CT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 10 A // 10 A | 250 V // 600 V | Female | 1584389 | 1584402 | 1584402 |
| | | | | | Male | 1584376 | 1584392 | 1584392 |

For crimp contacts, see pages 22-23.

| | Height | Thread | EVO Plastic (IP66) | | STANDARD Metal (IP66/67) | | |
|--|---------------|--------|--------------------|---------|--------------------------|---------|---------|
| | | | D15 | D25 | D15 | D25 | D50 |
| Sleeve housings for single-locking latch | | | | | | | |
|  | Low | M20 | | | 1424350 | 1424381 | |
| | | Pg13.5 | | | 1424352 | | |
| | | Pg16 | | | | 1424383 | |
| | High | M20 | 1411340 | 1411347 | | | |
| | | M25 | 1411340 | 1411347 | 1424351 | 1424382 | 1424408 |
| | | M32 | | | | | 1424409 |
| | | Pg16 | | | 1424353 | 1424384 | |
| Pg21 | | | 1424358 | 1424385 | 1424410 | | |
| Pg29 | | | | | 1424411 | | |
|  | Low | M20 | | | 1424345 | 1424376 | |
| | | M25 | | | | | 1424402 |
| | | Pg16 | | | 1424347 | 1424378 | |
| | Pg21 | | | | | 1424405 | |
| | High | M20 | 1411340 | 1411347 | | | |
| | | M25 | 1411340 | 1411347 | 1424346 | 1424377 | 1424403 |
| | | M32 | | | | | 1424404 |
| | | Pg16 | | | 1424348 | 1424379 | |
| Pg21 | | | 1424349 | 1424380 | 1424406 | | |
| Pg29 | | | | | 1424407 | | |
| Panel mounting bases with single-locking latch | | | | | | | |
|  | Without cover | | 1411336 | 1411344 | 1424362 | 1424391 | 1424412 |
| | With cover | | 1411337 | 1411345 | 1424363 | 1424390 | |
| Surface mounting housings with single-locking latch | | | | | | | |
|  | Without cover | M20 | 1421463 | 1421466 | 1424364 | 1424392 | |
| | | M25 | 1411341 | 1411348 | 1424365 | 1424393 | 1424413 |
| | | M32 | | | | | 1424414 |
| | | Pg16 | | | 1424366 | 1424394 | |
| | | Pg21 | | | 1424367 | 1424395 | 1424415 |
| | Pg29 | | | | | 1424416 | |
| | With cover | M20 | 1421465 | 1421467 | 1424369 | 1424396 | |
| | | M25 | 1411343 | 1411349 | 1424371 | 1424397 | |
| Pg16 | | | | 1424372 | 1424398 | | |
| Pg21 | | | 1424373 | 1424399 | | | |
| Coupling housings with single-locking latch | | | | | | | |
|  | High | M20 | 1411338 | 1411346 | | | |
| | | M25 | | | 1424361 | 1424387 | |
| | | Pg16 | | | 1424360 | 1424389 | |

For suitable cable glands, see page 32 onwards.

Modular contact inserts for B housings and EVO M1

| Power | | Number of positions | | | | | | | | | | | | | |
|------------------------|------|----------------------------|---------|----------------------|---------|-----------------------------|---------|-----------------------|---------|------------------------|---------|---------------------|---------|-----------------------|---------|
| | | 1 | | 1 | | 2 | | 2 | | 2 | | 2 | | | |
| | | | | | | | | | | | | | | | |
| Connection | | Axial screw | | Axial screw | | Axial screw | | Axial screw | | Axial screw | | Push-in | | Crimp CK 4,0 | |
| IEC rated data | | 200 A, 1,000 V, 70 mm² | | PE, 70 mm² | | 100 A, 1,000 V, 35 mm² | | 70 A, 1,000 V, 25 mm² | | 40 A, 1,000 V, 10 mm² | | 40 A, 830 V, 6 mm² | | 40 A, 1,000 V, 10 mm² | |
| UL rated data | | 146 A, 600 V, AWG 00 | | AWG 00 | | 127 A, 600 V, AWG 2 | | 69 A, 600 V, AWG 6 | | 55 A, 600 V, AWG 8 | | 600 V, AWG 8 | | 42 A, 600 V, AWG 10 | |
| Module slots | | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | |
| Female | Male | 1417379 | 1417381 | 1417380 | 1417382 | 1417390 | 1417392 | 1417296 | 1417297 | 1417387 | 1417389 | 1424222 | 1424223 | 1414361 | 1414360 |
| | | | | | | | | | | | | | | | |
| Connection | | Push-in | | Crimp CK 4,0 | | Crimp CK 4,0 | | Push-in | | Crimp CK 4,0 | | Crimp CK 2,5 | | Push-in | |
| IEC rated data | | 40 A, 500 V, 6 mm² | | 40 A, 500 V, 10 mm² | | 40/10 A, 830 V, 6/2.5 mm² | | 35 A, 690 V, 6 mm² | | 40 A, 690 V, 6 mm² | | 16 A, 2900 V, 4 mm² | | 16 A, 400 V, 2.5 mm² | |
| UL rated data | | 600 V, AWG 8 | | 42 A, 600 V, AWG 10 | | 40 A, 600 V, AWG 10 | | 600 V, AWG 8 | | 37 A, 600 V, AWG 10 | | 28 A, 600 V, AWG 12 | | 19 A, 600 V, AWG 14 | |
| Module slots | | 1 | | 1 | | 1 | | 1 | | 1 | | 2 | | 1 | |
| Female | Male | 1424218 | 1424219 | 1414359 | 1414358 | 1414365 | 1414364 | 1424220 | 1424221 | 1414362 | 1414363 | 1417407 | 1417408 | 1417373 | 1417372 |
| | | | | | | | | | | | | | | | |
| Connection | | Push-in TWIN | | Push-in | | Crimp CK 2,5 | | Crimp CK 2,5 | | Push-in | | Crimp CK 2,5 | | Crimp CK 2,5 | |
| IEC rated data | | 16 A, 400 V, 1.5 mm² | | 16 A, 500 V, 2.5 mm² | | 16 A, 830 V, 4 mm² | | 16 A, 500 V, 4 mm² | | 16 A, 400 V, 2.5 mm² | | 16 A, 500 V, 4 mm² | | 16 A, 500 V, 4 mm² | |
| UL rated data | | 16 A, 600 V, AWG 16 | | 19 A, 600 V, AWG 14 | | 24 A, 600 V, AWG 12 | | 24 A, 600 V, AWG 12 | | 19 A, 600 V, AWG 14 | | 20 A, 600 V, AWG 12 | | 17.5 A, 600 V, AWG 12 | |
| Module slots | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2 | |
| Female | Male | 1423962 | 1423961 | 1424224 | 1424225 | 1414369 | 1414368 | 1414367 | 1414366 | 1424226 | 1424227 | 1414371 | 1414370 | 1414373 | 1414372 |
| Signal | | Number of positions | | | | | | | | | | | | | |
| | | 12 | | 12 | | 17 | | 25 | | | | | | | |
| | | | | | | | | | | | | | | | |
| Connection | | Push-in | | Crimp CK 1,6 | | Crimp CK 1,6 | | Crimp D-SUB | | | | | | | |
| IEC rated data | | 10 A, 250 V, 1.5 mm² | | 10 A, 250 V, 2.5 mm² | | 10 A, 160 V, 2.5 mm² | | 4 A, 50 V, 0.5 mm² | | | | | | | |
| UL rated data | | 10 A, 250 V, AWG 16 | | 16 A, 600 V, AWG 14 | | 14 A, 600 V, AWG 14 | | 5 A, 30 V, AWG 20 | | | | | | | |
| Module slots | | 1 | | 1 | | 1 | | 1 | | | | | | | |
| Female | Male | 1424228 | 1424246 | 1414355 | 1414354 | 1414357 | 1414356 | 1414375 | 1414374 | | | | | | |
| Data | | Number of positions | | | | | | | | | | | | | |
| | | 9 | | 2 | | 8 | | 4 | | 4 | | | | | |
| | | | | | | | | | | | | | | | |
| Connection | | Crimp D-SUB | | Screw | | Crimp D-SUB | | Coax crimp | | Coaxial crimp contacts | | | | | |
| Data transmission rate | | | | 12 Mbps PROFIBUS | | CAT6 _a , 10 Gbps | | | | ≤2 GHz | | | | | |
| IEC rated data | | 1 A, 50 V, 0.5 mm² | | 1 A, 50 V, 0.5 mm² | | 5 A, 50 V, 0.5 mm² | | | | 75 Ω | | 50 Ω | | | |
| UL rated data | | AWG 20 | | AWG 20 | | 5 A, 30 V, AWG 20 | | | | Male/fem. | | Male/fem. | | | |
| Module slots | | 1 | | 1 | | 1 | | 1 | | 1686245 | | 1676815 | | | |
| Female | Male | 1417308 | 1417309 | 1417307 | 1423723 | 1417303 | 1417302 | 1417370 | 1417371 | 1686258 | 1676802 | | | | |
| | | | | | | | | | | | | | | | |
| Connection | | RJ45 gender changer | | RJ45, crimp | | RJ Industrial, IDC | | RJ Industrial, IDC | | RJ Industrial, IDC | | RJ45 patch cable | | | |
| Data transmission rate | | 10 Gbps, 500 MHz | | 10 Gbps, 500 MHz | | 10 Gbps, 500 MHz | | 1 Gbps, 100 MHz | | 1 Gbps, 100 MHz | | 10 Gbps, 500 MHz | | | |
| Description | | CAT6 _a | | CAT6 _a | | For RJ Industrial, IDC | | CAT5(e) | | CAT5(e) | | CAT6 _a | | For RJ45 patch cables | |
| Module slots | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| Female | | 1419886 | | 1419887 | | 1419888 | | 1421608/1421129 | | 1157964/1157963 | | 1419885* | | | |

* Suitable patch cables can be found in the accessories section of the module 1419885 in our e-shop. For crimp contacts, see pages 22-23.

Denotes **HeavyCORE** stock designation product

| Data | | Number of positions | | | | | | | | | |
|------------------------|------|---------------------------------|---------|---------------------------------|---------|--------------------|---------|--------------------|---------|--------------------|---------|
| | | 8 | | 4 | | 1 | | 1 | | | |
| | | | | | | | | | | | |
| Connection | | EMC | | Crimp D-SUB | | Crimp CK 1,6 | | Crimp CK 1,6 | | Crimp CK 2,5 | |
| Data transmission rate | | CAT5(e), 100 Mbps | | CAT5(e), 100 Mbps | | 500 MHz, 75 Ω coax | | 500 MHz, 75 Ω coax | | 500 MHz, 50 Ω coax | |
| IEC rated data | | 5 A, 50 V, 0.52 mm ² | | 10 A, 50 V, 2.5 mm ² | | 10 A, 50 V | | 10 A, 50 V | | 16 A, 50 V | |
| UL rated data | | 5 A, 30 V, AWG 20 | | 10 A, 30 V, AWG 16 | | 10 A, 30 V | | 10 A, 30 V | | 16 A, 30 V | |
| Module slots | | 2 | | - | | - | | - | | - | |
| Female | Male | 1417376 | 1417374 | 1066080 | 1066082 | 1636091 | 1636088 | 1066961 | 1066962 | 1066959 | 1066960 |
| Pneumatics | | Number of positions | | | | | | | | | |
| | | 2 | | 3 | | 3 | | | | | |
| | | | | | | | | | | | |
| Hose inner Ø | | 6 mm | | 6 mm | | 1.6 mm | | 1.6 mm | | 3 mm | |
| Module slots | | 1 | | 1 | | 1 | | 1 | | 1 | |
| Male | | 1417434 | | 1676750 | | 1676763 | | 1417433 | | 1663488 | |
| Socket without valve | | 1676776 | | 1663491 | | 1663501 | | 1663514 | | 1663527 | |
| Socket with valve | | 1663543 | | 1663556 | | 1663530 | | 1663543 | | 1663569 | |

| Dummy module |
|--------------|
| |
| - |
| - |
| - |
| - |
| 1 |
| 1414353 |

Denotes **HeavyCORE** stock designation product

Snap-in frames for modular contact inserts









| | Module slots | Housing size | Dimensions | | Type | Order no. |
|--|---|--------------|------------|--------|----------------|-----------|
| | | | a (mm) | b (mm) | | |
| Module carrier frames with side latch springs | | | | | | |
| | For sleeve housings (A, B, C, etc.) | | | | | |
| | 2 | B06 | 44.0 | 51.0 | HC-M-B06-MFH-H | 1182087 |
| | 3 | B10 | 57.0 | 64.0 | HC-M-B10-MFH-H | 1182089 |
| | 4 | B16 | 77.5 | 84.5 | HC-M-B16-MFH-H | 1182093 |
| | 6 | B24 | 104.0 | 111.0 | HC-M-B24-MFH-H | 1182095 |
| | For panel mounting bases, surface mounting housings, and coupling housings (a, b, c, etc.) | | | | | |
| | 2 | B06 | 44.0 | 51.0 | HC-M-B06-MFH-B | 1182085 |
| | 3 | B10 | 57.0 | 64.0 | HC-M-B10-MFH-B | 1182088 |
| | 4 | B16 | 77.5 | 84.5 | HC-M-B16-MFH-B | 1182090 |
| | 6 | B24 | 104.0 | 111.0 | HC-M-B24-MFH-B | 1182094 |

Snap-in advantages

- ✓ Robust stainless-steel retention springs allow the ability to individually insert or remove modules easily
- ✓ Eliminates the need for accessories to secure the frame
- ✓ Compatibility with all standard modular inserts
- ✓ Spring design allows the installation of inserts in a pre-mounted frame
- ✓ Assured compatibility with all HEAVYCON B-series housings and all industry standard housings
- ✓ Approved by UL, CSA, and CE for global acceptance









Contact inserts with a fixed number of positions for B housings

| | Connection | Connection cross-section IEC // UL | Rated current IEC // UL | Rated voltage IEC // UL | Version | Housing size | | | | | |
|---|--------------------|---|-------------------------|-------------------------|---------|----------------------------|-----------|-----------|-----------|-------------|-------------|
| | | | | | | B06 | B10 | B16 | B24 | B32 | B48 |
| | | | | | | Number of positions | | | | | |
| B series | | | | | | 6 | 10 | 16 | 24 | 32 | 48 |
|  | Push-in (PT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 16 A//13 A | 500 V//600 V | Female | 1407727 | 1407729 | 1407731 | 1407735 | 1407731 | 1407735 |
| | | | | | Male | | | | | 1407733 | 1407737 |
| | | | | | | 1407728 | 1407730 | 1407732 | 1407736 | 1407732 | 1407736 |
| | | | | | | | | | | 1407734 | 1407738 |
|  | TWIN Push-in (TPT) | 0.14 mm ² ... 1.5 mm ² AWG 16 | 16 A//14 A | 500 V//600 V | Female | 1423016 | 1423018 | 1423020 | 1423022 | 1423020 | 1423022 |
| | | | | | Male | | | | | 1423826 | 1423828 |
| | | | | | | 1423015 | 1423017 | 1423019 | 1423021 | 1423019 | 1423021 |
| | | | | | | | | | | 1423825 | 1423827 |
|  | Screw (UT) | 0.5 mm ² ... 2.5 mm ² AWG 14 | 16 A//16 A | 500 V//600 V | Female | 1648128 | 1648186 | 1648241 | 1648306 | 1648241 | 1648306 |
| | | | | | Male | | | | | 1584884 | 1584949 |
| | | | | | | 1648115 | 1648173 | 1648238 | 1648296 | 1648238 | 1648296 |
| | | | | | | | | | | 1584871 | 1584936 |
|  | Crimp CK 2,5 (CT) | 0.5 mm ² ... 4.0 mm ² AWG 14 | 16 A//13 A | 500 V//600 V | Female | 1648160 | 1648225 | 1648283 | 1648348 | 1648283 | 1648348 |
| | | | | | Male | | | | | 1584923 | 1584981 |
| | | | | | | 1648157 | 1648212 | 1648270 | 1648335 | 1648270 | 1648335 |
| | | | | | | | | | | 1584910 | 1584978 |
|  | IDC (QT) | 0.34 mm ² ... 2.5 mm ² AWG 14 | 16 A//10 A | 500 V//600 V | Female | 1605556 | 1605569 | 1605572 | 1605585 | 1605572 | 1605585 |
| | | | | | Male | | | | | 1605598 | 1605608 |
| | | | | | | 1605611 | 1605624 | 1605637 | 1605640 | 1605637 | 1605640 |
| | | | | | | | | | | 1605653 | 1605666 |
| BB series | | | | | | Number of positions | | | | | |
| | | | | | | 10 | 18 | 32 | 46 | 64 | 92 |
|  | Push-in (PT) | 0.5 mm ² ... 2.5 mm ² AWG 14 | 16 A | 500 V//600 V | Female | 1014417 | 1014419 | 1014421 | 1014423 | | |
| | | | | | Male | | | | | | |
| | | | | | | 1014418 | 1014420 | 1014422 | 1014424 | | |
| | | | | | | | | | | | |
|  | Crimp CK 2,5 (CT) | 0.5 mm ² ... 4.0 mm ² AWG 12 | 16 A//20 A | 500 V//600 V | Female | 1584703 | 1584729 | 1584745 | 1584758 | 1584745 | 1584758 |
| | | | | | Male | | | | | 1406543 | 1406545 |
| | | | | | | 1584774 | 1584716 | 1584732 | 1584761 | 1584732 | 1584761 |
| | | | | | | | | | | 1406544 | 1406546 |
| BBB series | | | | | | Number of positions | | | | | |
| | | | | | | | | 40 | 64 | 2x40 | 2x64 |
|  | Crimp CK 2,5 (CT) | 0.5 mm ² ... 4.0 mm ² AWG 12 | 16 A//16 A | 500 V//600 V | Female | | | 1409930 | 1409914 | 1409930 | 1409914 |
| | | | | | Male | | | 1409921 | 1409901 | 1409921 | 1409901 |
| | | | | | | | | | | 1409921 | 1409901 |

For crimp contacts, see pages 22-23.

 Denotes **HeavyCORE** stock designation product

| | Connection | Connection cross-section IEC // UL | Rated current IEC // UL | Rated voltage IEC // UL | Version | Housing size | | | | | |
|--|-------------------|---|-------------------------|-------------------------|---------|----------------------------|---------|---------|---------|---------|---------|
| | | | | | | B06 | B10 | B16 | B24 | B32 | B48 |
| D series | | | | | | Number of positions | | | | | |
| | | | | | | | | 40 | 64 | 80 | 128 |
|  | Crimp CK 1,6 (CT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 10 A//10 A | 250V//600V | Female | | | 1584428 | 1584444 | 1584428 | 1584444 |
| | | | | | Female | | | | | 1584428 | 1584444 |
| | | | | | Male | | | 1584415 | 1584431 | 1584415 | 1584431 |
| | | | | | Male | | | | | 1584415 | 1584431 |
| DD series | | | | | | Number of positions | | | | | |
| | | | | | | 24 | 42 | 72 | 108 | 144 | 216 |
|  | Crimp CK 1,6 (CT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 10 A//10 A | 250V//600V | Female | 1584046 | 1584062 | 1584091 | 1584130 | 1584091 | 1584130 |
| | | | | | Female | | | | | 1584101 | 1584143 |
| | | | | | Male | 1584033 | 1584059 | 1584075 | 1584114 | 1584075 | 1584114 |
| | | | | | Male | | | | | 1584088 | 1584127 |





| HS series | | | | | | Number of positions | | | | | |
|--|-------------------|---|------------|----------------|--------|----------------------------|---------|---------|---------|---------|---------|
| | | | | | | | | 6 | | 12 | |
|  | Push-in (PT) | 0.5 mm ² ... 6.0 mm ² AWG 10 | 41 A//35 A | 400/690V//600V | Female | | | 1031080 | | | |
| | | | | | Male | | | 1031082 | | | |
| | Screw (UT) | 0.5 mm ² ... 6.0 mm ² AWG 10 | 41 A//35 A | 400/690V//600V | Female | | | 1406530 | | 1406530 | |
| | | | | | Male | | | 1406531 | | 1406531 | 1406534 |
| HV series | | | | | | Number of positions | | | | | |
| | | | | | | | 3 | 6 | 10 | | |
|  | Push-in (PT) | 0.14 mm ² ... 2.5 mm ² AWG 14 | 16 A//13 A | 830V//600V | Female | | 1407743 | 1407744 | 1407745 | | |
| | | | | | Male | | 1407739 | 1407740 | 1407741 | | |
|  | Crimp CK 2,5 (CT) | 0.5 mm ² ... 4.0 mm ² AWG 12 | 16 A//16 A | 830V//600V | Female | | 1405261 | 1405263 | 1405265 | | |
| | | | | | Male | | 1405260 | 1405262 | 1405264 | | |
| K series | | | | | | Number of positions | | | | | |
| | | | | | | | | 6 | | | |
|  | Screw (UT) | 6 mm ² ... 16 mm ² AWG 6 | 80 A//80 A | 1000V//600V | Female | | | 1580537 | | | |
| | | | | | Male | | | 1580538 | | | |

For crimp contacts, see pages 22-23.

 Denotes **HeavyCORE** stock designation product




Crimp contacts

i Web code: #1934

| | For cross-section (mm ²) | AWG | Silver | | Male, lagging | Gold | |
|---|--------------------------------------|-----------|---------|---------|---------------|---------|---------|
| | | | Female | Male | | Female | Male |
| CK 1,6-ED, turned | | | | | | | |
|  | 0.14 ... 0.37 | 26 ... 22 | 1663394 | 1663336 | | 1674969 | 1674901 |
| | 0.5 | 20 | 1663404 | 1663349 | | 1674480 | 1672453 |
| | 0.75 | 18 | 1663417 | 1663352 | | 1672440 | 1674914 |
| | 1.0 | 18 | 1663420 | 1663365 | | 1674943 | 1674888 |
| | 1.5 | 16 | 1663433 | 1663378 | | 1674930 | 1674875 |
| | 2.5 | 14 | 1663446 | 1663381 | | 1674985 | 1674927 |
| CK 2,5-ED, turned | | | | | | | |
|  | 0.5 | 20 | 1663640 | 1663572 | | 1674859 | 1674804 |
| | 0.75 | 18 | 1663653 | 1663585 | | | |
| | 0.75 ... 1.0 | 18 | 1663666 | 1663598 | 1663857 | 1674833 | 1674781 |
| | 1.5 | 16 | 1663679 | 1663608 | 1663860 | 1674820 | 1674778 |
| | 2.5 | 14 | 1663682 | 1663611 | 1663873 | 1674862 | 1674817 |
| | 4.0 | 12 | 1663705 | 1663637 | | 1674846 | 1674794 |
| CK 4,0-ED, turned | | | | | | | |
|  | 1.5 | 16 | 1663271 | 1663239 | | | |
| | 2.5 | 14 | 1663284 | 1663242 | | | |
| | 4.0 | 12 | 1663297 | 1663255 | | | |
| | 6.0 | 10 | 1663307 | 1663268 | | | |
| | 10.0 | 8 | 1586183 | 1586198 | | | |
| D-SUB | | | | | | | |
|  | 0.08 ... 0.2 | 28 ... 26 | | | | 1418787 | 1418784 |
| | 0.2 ... 0.5 | 24 ... 20 | | | | 1418788 | 1418786 |

| With positioning aid | Without positioning aid | | Dies | | Removal tool | |
|---|-------------------------|---|---------|---|--------------|---|
| Tools for CK 1,6-ED | | | | | | |
|  | 1212113 | | | | |  1072069 |
| Tools for CK 2,5-ED | | | | | | |
|  | 1212113 |  | 1212072 |  | 1212075 |  1072067 |
| Tools for CK 4,0-ED | | | | | | |
|  | 1212113 |  | 1212072 |  | 1212075 |  1072064 |
| | 1212114* | | |  | 1212076* | |
| Tools for D-SUB | | | | | | |
|  | 1212510 | | |  | 1045123 |  1658794 |

* For cross-sections 6 ... 10 mm² / AWG 10 ... 8.

| | For cross-section (mm ²) | AWG | Silver | |
|---|--------------------------------------|-----------|-----------------------|---------|
| | | | Female | Male |
| CK 1,6-ER, punched, single | | | | |
|  | 0.34 ... 1.0 | 22 ... 18 | 1004362 | 1004360 |
| | 1.5 ... 2.5 | 16 ... 14 | 1004366 | 1004365 |
| CK 1,6-BR, punched, taped products | | | | |
|  | 0.34 ... 1.0 | 22 ... 18 | 1004381 | 1004380 |
| | 1.5 ... 2.5 | 16 ... 14 | 1004383 | 1004382 |
| Tools for CK 1,6-ER, punched, single | | | | |
|  | 0.34 ... 2.5 | 22 ... 14 | 1069228 | |
| Tools for CK 1,6-BR, punched, taped products* | | | | |
|  | 0.34 ... 1.0 | 22 ... 18 | 20.2001-1004380/4381* | |
| | 1.5 ... 2.5 | 16 ... 14 | 20.2001-1004382/4383* | |

* Kolb offers a tool for the automatic processing of these contacts on crimping devices.

U. Kolb GmbH, Neuer Weg 32, 71111 Waldenbuch, Germany, Telephone: +49 7157 7371-0, E-mail: info@u-kolb-gmbh.de, www.u-kolb-gmbh.de

Punch-rolled crimp contact advantages

- ✓ Quick and easy processing with open crimping
- ✓ High degree of efficiency with fully automated processing of the taped product
- ✓ Single contacts for processing in the field
- ✓ Installation in standard crimp inserts with incorrect insertion protection in the contact sockets
- ✓ Two contact sizes cover all conductor cross-sections from 0.34 mm² to 2.5 mm²



The crimp contacts are suitable for all standard contact inserts (fixed number of positions and modular).

Single-latch EVO B plastic housings

| | Height | Thread | Metric | | | |
|---|------------------------|--------|---------|---------|---------|---------|
| | | | B06 | B10 | B16 | B24 |
| Sleeve housings for single-locking latch | | | | | | |
|  | Low | | 1407619 | 1407626 | 1420931 | 1420934 |
| | High | | 1407620 | 1407627 | 1407642 | 1407656 |
| Sleeve housings for single-locking latch with two cable outlets | | | | | | |
|  | High | | 1420930 | | | |
| Panel mounting bases with single-locking latch | | | | | | |
|  | Without cover | | 1407621 | 1407632 | 1407646 | 1407659 |
| | With cover | | 1407622 | 1407633 | 1407647 | 1407660 |
| Surface mounting housings with single-locking latch | | | | | | |
|  | High, without cover | M20 | 1421322 | 1421354 | | |
| | | M25 | 1421229 | 1421277 | 1421381 | 1421459 |
| | | M32 | 1407623 | 1407636 | 1421363 | 1421367 |
| | | M40 | | | 1407650 | 1407663 |
|  | High, with cover | M20 | 1421329 | 1421355 | | |
| | | M25 | 1421244 | 1421301 | 1421382 | 1421460 |
| | | M32 | 1407624 | 1407637 | 1421364 | 1421369 |
| | | M40 | | | 1407651 | 1407664 |
| Coupling housings with single-locking latch | | | | | | |
|  | High | | 1407625 | 1407640 | 1407654 | 1407667 |

For suitable cable glands, see page 32 onwards.

 Denotes **HeavyCORE** stock designation product



Double-latch EVO B plastic housings

i Web code: #1950

| | Height | Thread | Metric | | |
|---|------------------------|--------|---------|---------|---------|
| | | | B10 | B16 | B24 |
| Sleeve housings for double-locking latch | | | | | |
|  | Low | | 1407628 | 1420932 | 1420935 |
| | High | | 1407629 | 1407643 | 1407657 |
| Sleeve housings for double-locking latch with two cable outlets | | | | | |
|  | High | | 1411495 | 1411496 | 1411497 |
| Panel mounting bases with double-locking latch | | | | | |
|  | Without cover | | 1407634 | 1407648 | 1407661 |
| Surface mounting housings with double-locking latch | | | | | |
|  | High, without cover | M20 | 1421356 | | |
| | | M25 | 1421304 | 1421455 | 1421461 |
| | | M32 | 1407638 | 1421365 | 1421370 |
| | | M40 | | 1407652 | 1407665 |
| Coupling housings with double-locking latch | | | | | |
|  | High | | 1407641 | 1407655 | 1407668 |
| Sleeve housings with double-locking latch | | | | | |
|  | Low | | 1407630 | 1420933 | 1420936 |
| | High | | 1407631 | 1407644 | 1407658 |
| Panel mounting bases for double-locking latch | | | | | |
|  | With cover | | 1407635 | 1407649 | 1407662 |
| Surface mounting housings for double-locking latch | | | | | |
|  | High, with cover | M20 | 1421362 | | |
| | | M25 | 1421320 | 1421458 | 1421462 |
| | | M32 | 1407639 | 1421366 | 1421380 |
| | | M40 | | 1407653 | 1407666 |

For suitable cable glands, see page 32 onwards.

 Denotes **HeavyCORE** stock designation product







Single-latch EVO and STANDARD B metal housings

| | Height | Thread | Metric | | | | | Thread | Pg | | | | |
|---|----------------|----------------|---------|---------|---------|---------|---------|----------------|---------|---------|---------|---------|---------|
| | | | B06 | B10 | B16 | B24 | B48 | | B06 | B10 | B16 | B24 | B48 |
| EVO sleeve housings for single-locking latch | | | | | | | | | | | | | |
|  | Low | | 1411448 | 1411456 | | | | | 1411448 | 1411456 | | | |
| | High* | | 1411447 | 1411453 | 1411461 | 1411473 | | | 1411447 | 1411453 | 1411461 | 1411473 | |
| STANDARD sleeve housings for single-locking latch | | | | | | | | | | | | | |
|  | Straight low | M20 | 1412574 | 1412629 | | | | Pg13.5 | 1412576 | | | | |
| | | M25 | 1412575 | 1412630 | 1412729 | 1412788 | | Pg16 | 1412577 | 1412631 | 1412731 | 1412790 | |
| | | M32 | | | 1412730 | 1412789 | | Pg21 | | 1412632 | 1412732 | 1412791 | |
| | Straight high* | M25 | 1412566 | 1412604 | | | | Pg21 | 1412568 | 1412606 | 1412701 | 1412762 | |
| | | M32 | 1412567 | 1412605 | 1412689 | 1412761 | 1424854 | Pg29 | 1412569 | 1412607 | 1412702 | 1412763 | 1424851 |
| | | M40 | | | 1412700 | 1412098 | 1424855 | Pg36 | | | | | 1424852 |
| | | M50 | | | | | 1424856 | Pg42 | | | | | 1424853 |
|  | Side low | M20 | 1412570 | 1412624 | | | | Pg13.5 | 1412572 | | | | |
| | | M25 | 1412571 | 1412625 | 1412725 | 1412783 | | Pg16 | 1412573 | 1412627 | 1412727 | 1412785 | |
| | | M32 | | | 1412726 | 1412784 | | Pg21 | | 1412628 | 1412728 | 1412786 | |
| | Side high* | M25 | 1412562 | 1412600 | | | | Pg21 | 1412564 | 1412602 | 1412683 | 1412759 | |
| | | M32 | 1412563 | 1412601 | 1412679 | 1412757 | 1424860 | Pg29 | 1412565 | 1412603 | 1412684 | 1412760 | 1424857 |
| | | M40 | | | 1412682 | 1412758 | 1424861 | Pg36 | | | | | 1424858 |
| | | M50 | | | | | 1424862 | Pg42 | | | | | 1424859 |
|  | Low | Without thread | 1419900 | 1419902 | 1419905 | 1419937 | | Without thread | 1419900 | 1419902 | 1419905 | 1419937 | |
| | High* | | 1419901 | 1419903 | 1419934 | 1419957 | | | 1419901 | 1419903 | 1419934 | 1419957 | |

* For modular contact inserts and contact inserts with a fixed high number of positions.
For suitable cable glands, see page 32 onwards.

 Denotes **HeavyCORE** stock designation product

Single-latch EVO and STANDARD B metal housings

| | Height | Thread | Metric | | | | | Thread | Pg | | | | |
|--|----------------------|--------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|
| | | | B06 | B10 | B16 | B24 | B48 | | B06 | B10 | B16 | B24 | B48 |
| Panel mounting bases with single-locking latch | | | | | | | | | | | | | |
|  | Without cover | | 1411318 | 1411320 | 1411324 | 1411329 | 1424863 | | 1411318 | 1411320 | 1411324 | 1411329 | 1424863 |
| | With cover | | 1411319 | 1411321 | 1411325 | 1411330 | 1424864 | | 1411319 | 1411321 | 1411325 | 1411330 | 1424864 |
| Surface mounting housings with single-locking latch | | | | | | | | | | | | | |
|  | Low, without cover | M20 | 1412821 | 1412839 | | | | Pg16 | 1412823 | 1412842 | | | |
| | | M25 | 1412822 | 1412840 | 1412861 | 1412877 | | Pg21 | 1412824 | 1412843 | 1412863 | 1412879 | |
| | | M32 | | | 1412862 | 1412878 | | Pg29 | | | | | |
| | | M40 | | | | | | Pg36 | | | | | |
| | High*, without cover | M25 | 1082556 | 1082578 | 1082586 | | | | | | | | |
| | | M32 | 1082559 | 1082579 | 1082587 | 1082592 | 1424867 | Pg29 | | | | | 1424865 |
| | | M40 | 1082566 | 1082580 | 1082588 | 1082593 | 1424868 | Pg36 | | | | | 1424866 |
|  | Low, with cover | M20 | 1412825 | 1412844 | | | | Pg16 | 1412827 | 1412846 | | | |
| | | M25 | 1412826 | 1412845 | 1412865 | 1412881 | | Pg21 | | | 1412867 | 1412883 | |
| | | M32 | | | 1412866 | 1412882 | | Pg29 | | | | | |
| | High*, with cover | M25 | 1082575 | 1082582 | 1082589 | 1082595 | | | | | | | |
| | | M32 | 1082576 | 1082583 | 1082590 | 1082596 | 1424873 | Pg29 | | | | | 1424869 |
| | | M40 | 1082577 | 1082585 | 1082591 | 1082597 | 1424874 | Pg36 | | | | | 1424872 |
| Coupling housings with single-locking latch | | | | | | | | | | | | | |
|  | High* | M20 | 1412555 | 1412584 | | | | Pg16 | | 1412587 | | | |
| | | M25 | 1412556 | 1412585 | 1412645 | | | Pg21 | 1412559 | 1412588 | 1412647 | 1412748 | |
| | | M32 | 1412557 | 1412586 | 1412646 | 1412746 | | Pg29 | 1412560 | 1412589 | 1412648 | 1412749 | |
| | | M40 | | | | 1412747 | | Pg36 | | | | | |







* For modular contact inserts and contact inserts with a fixed high number of positions.
For suitable cable glands, see page 32 onwards.

 Denotes **HeavyCORE** stock designation product



Double-latch EVO and STANDARD B metal housings







i Web code: #1954

| | Height | Thread | Metric | | | | Thread | Pg | | | |
|---|---------------------|----------------|---------|---------|---------|---------|----------------|---------|---------|---------|---------|
| | | | B10 | B16 | B24 | B32 | | B10 | B16 | B24 | B32 |
| EVO sleeve housings for double-locking latch | | | | | | | | | | | |
|  | Low | | 1411455 | | | | | 1411455 | | | |
| | High* | | 1411451 | 1411460 | 1411472 | | | 1411451 | 1411460 | 1411472 | |
| STANDARD sleeve housings for double-locking latch | | | | | | | | | | | |
|  | Straight low | M20 | 1412620 | | | | Pg13.5 | | | | |
| | | M25 | 1412621 | 1412721 | 1412778 | | Pg16 | 1412622 | 1412723 | 1412780 | |
| | | M32 | | 1412722 | 1412779 | | Pg21 | 1412623 | 1412724 | 1412781 | |
| | Straight high* | M25 | 1412596 | | | | Pg21 | 1412598 | 1412669 | 1412755 | |
| | | M32 | 1412597 | 1412653 | 1412754 | 1424830 | Pg29 | 1412599 | 1412678 | 1412756 | 1424827 |
| | | M40 | | 1412654 | 1412099 | 1424831 | Pg36 | | | | 1424828 |
|  | Side low | M20 | 1412616 | | | | Pg13.5 | | | | |
| | | M25 | 1412617 | 1412717 | 1412773 | | Pg16 | 1412618 | 1412719 | 1412775 | |
| | | M32 | | 1412718 | 1412774 | | Pg21 | 1412619 | 1412720 | 1412776 | |
| | Side high* | M25 | 1412592 | | | | Pg21 | 1412594 | 1412651 | 1412752 | |
| | | M32 | 1412593 | 1412649 | 1412750 | 1424836 | Pg29 | 1412595 | 1412652 | 1412753 | 1424833 |
| | | M40 | | 1412650 | 1412751 | 1424837 | Pg36 | | | | 1424834 |
|  | Low | Without thread | 1419972 | 1419999 | 1420010 | | Without thread | 1419972 | 1419999 | 1420010 | |
| | High* | | 1419979 | 1420000 | 1420011 | | | 1419979 | 1420000 | 1420011 | |
| Panel mounting bases with double-locking latch | | | | | | | | | | | |
|  | Without cover | | 1411322 | 1411327 | 1411331 | 1424845 | Without cover | 1411322 | 1411327 | 1411331 | 1424845 |
| Surface mounting housings with double-locking latch | | | | | | | | | | | |
|  | Low, without cover | M20 | 1412835 | | | | Pg16 | 1412837 | | | |
| | | M25 | 1412836 | 1412855 | 1412873 | | Pg21 | 1412838 | 1412857 | 1412875 | |
| | | M32 | | 1412856 | 1412874 | | Pg29 | | 1412860 | 1412876 | |
| | | M40 | | | | | Pg36 | | | | |
| | High, without cover | M25 | 1082598 | 1082600 | 1082603 | | | | | | |
| | | M32 | 1082599 | 1082601 | 1082604 | 1424848 | Pg29 | | | | 1424846 |
| | M40 | 1083164 | 1082602 | 1082605 | 1424849 | Pg36 | | | | 1424847 | |
| Coupling housings with double-locking latch | | | | | | | | | | | |
|  | High | M20 | 1412578 | | | | Pg16 | 1412581 | | | |
| | | M25 | 1412579 | 1412641 | | | Pg21 | 1412582 | 1412643 | 1412744 | |
| | | M32 | 1412580 | 1412642 | 1412742 | 1424842 | Pg29 | 1412583 | 1412644 | 1412745 | 1424839 |
| | | M40 | | | 1412743 | 1424843 | Pg36 | | | | 1424840 |
| | | M50 | | | | 1424844 | Pg42 | | | | 1424841 |

* For modular contact inserts and contact inserts with a fixed high number of positions.
For suitable cable glands, see page 32 onwards.

 Denotes HeavyCORE stock designation product











| | Height | Thread | Metric | | | Thread | Pg | | |
|---|----------------|----------------|---------|---------|---------|----------------|---------|---------|---------|
| | | | B10 | B16 | B24 | | B10 | B16 | B24 |
| EVO sleeve housings with double-locking latch | | | | | | | | | |
|  | Low | | 1411457 | | | | 1411457 | | |
| | High* | | 1411454 | 1411462 | 1411474 | | 1411454 | 1411462 | 1411474 |
| STANDARD sleeve housings with double-locking latch | | | | | | | | | |
|  | Straight low | M20 | 1412637 | | | Pg16 | 1412639 | 1412740 | 1412801 |
| | | M25 | 1412638 | 1412738 | 1412799 | Pg21 | 1412640 | 1412741 | 1412802 |
| | | M32 | | 1412739 | 1412800 | Pg29 | | | 1412803 |
| | Straight high* | M25 | 1412612 | | | Pg21 | 1412614 | 1412715 | 1412771 |
| | | M32 | 1412613 | 1412708 | 1412769 | Pg29 | 1412615 | 1412716 | 1412772 |
| | | M40 | | 1412709 | 1412770 | | | | |
|  | Side low | M20 | 1412633 | | | Pg16 | 1412635 | 1412735 | 1412796 |
| | | M25 | 1412634 | 1412733 | 1412793 | Pg21 | 1412636 | 1412737 | 1412797 |
| | | M32 | | 1412734 | 1412795 | Pg29 | | | |
| | Side high* | M25 | 1412608 | | | Pg21 | 1412610 | 1412705 | 1412767 |
| | | M32 | 1412609 | 1412703 | 1412764 | Pg29 | 1412611 | 1412706 | 1412768 |
| | | M40 | | 1412704 | 1412766 | | | | |
|  | Low | Without thread | 1420034 | 1420036 | 1420046 | Without thread | 1420034 | 1420036 | 1420046 |
| | High* | | 1420035 | 1420044 | 1420047 | | 1420035 | 1420044 | 1420047 |
| Panel mounting bases for double-locking latch | | | | | | | | | |
|  | With cover | | 1411323 | 1411328 | 1411332 | | 1411323 | 1411328 | 1411332 |
| Surface mounting housings for double-locking latch | | | | | | | | | |
|  | With cover | M20 | 1412830 | | | Pg16 | 1412832 | 1412852 | |
| | | M25 | 1412831 | 1412849 | 1412869 | Pg21 | | 1412853 | 1412871 |
| | | M32 | | 1412850 | 1412870 | Pg29 | | | |

* For modular contact inserts and contact inserts with a fixed high number of positions.
For suitable cable glands, see page 32 onwards.



ADVANCE B housings

i Web code: #1932

| | Material | Height | Thread | Metric | | | | |
|---|------------------|--------------------------|--------------------------------|---------|---------|---------|---------|---------|
| | | | | B06 | B10 | B16 | B24 | |
| Sleeve housings with screw locking mechanism | | | | | | | | |
|  | Plastic | Straight high | M20 | 1404222 | | | | |
| | | | M25 | 1404225 | 1404227 | | | |
| M32 | | | | 1404229 | 1404231 | 1404235 | | |
| M40 | | | | | 1404233 | 1404238 | | |
|  | | Side high | M20 | 1404224 | | | | |
| | | | M25 | 1404226 | 1404228 | | | |
| | | | M32 | | 1404230 | 1404232 | 1404237 | |
| | | | M40 | | | 1404234 | 1404239 | |
|  | Metal (aluminum) | Straight low | M20 | 1413362 | 1413388 | | | |
| | | | M25 | 1413364 | 1413390 | 1414975 | 1414982 | |
| Straight high* | | M25 | 1413374 | 1413400 | 1414977 | 1414980 | | |
| | | M32 | 1413376 | 1413402 | 1413416 | 1413430 | | |
| | | M40 | | 1072331 | 1413418 | 1413432 | | |
|  | | Side low | M20 | 1413363 | 1413389 | | | |
| | | | M25 | 1413365 | 1413391 | 1414976 | 1414983 | |
| Side high* | | M25 | 1413375 | 1413401 | 1414978 | 1414981 | | |
| | | M32 | 1413377 | 1413403 | 1413417 | 1413431 | | |
| | | M40 | | | 1413419 | 1413433 | | |
|  | | For extreme applications | Straight low | M20 | 1420904 | 1420912 | | |
| | | | | M25 | 1420905 | 1420913 | 1420921 | 1420929 |
| Straight high* | M25 | | 1420900 | 1420908 | 1420917 | 1420925 | | |
| | M32 | | 1420901 | 1420909 | 1420918 | 1420926 | | |
| | M40 | | | | 1420919 | 1420927 | | |
| Side low | M20 | | 1420902 | 1420910 | | | | |
| | M25 | | 1420903 | 1420911 | 1420920 | 1420928 | | |
| Side high* | M25 | | 1420898 | 1420906 | 1420914 | 1420922 | | |
| | M32 | | 1420899 | 1420907 | 1420915 | 1420923 | | |
| | M40 | | | | 1420916 | 1420924 | | |
| Panel mounting flanges | | | | | | | | |
|  | | | Single, without screws | | 1686533 | 1686533 | 1686533 | 1686533 |
| | | | Set of 2 with screws | | 1604638 | 1604638 | 1604638 | 1604638 |
| Covers | | | | | | | | |
|  | Plastic | | For panel mounting side (IP66) | | 1411494 | 1411504 | 1411517 | 1411520 |
| | | | For sleeve side (IP50) | | 1690736 | 1690749 | 1690752 | 1690765 |
| Sleeve housings | | | | | | | | |
|  | Metal (aluminum) | Low | Without thread | 1420048 | 1420051 | 1420053 | 1420055 | |
| | | High | | 1420050 | 1420052 | 1420054 | 1420056 | |









* For modular contact inserts and contact inserts with a fixed high number of positions. For suitable cable glands, see page 32 onwards.

 Denotes **HeavyCORE** stock designation product

| | Height | Thread | Metric | | | |
|--|-------------------------|--------|---------|---------|---------|---------|
| | | | B06 | B10 | B16 | B24 |
| Sleeve housings with screw locking mechanism | | | | | | |
|  | Straight high | M20 | 1411879 | | | |
| | | M25 | 1411106 | 1411882 | | |
| | | M32 | | 1411067 | 1411059 | 1411888 |
| | | M40 | | | 1411885 | 1411062 |
|  | Side high | M20 | 1411878 | | | |
| | | M25 | 1411119 | 1411881 | | |
| | | M32 | | 1411070 | 1411058 | 1411887 |
| | | M40 | | | 1411884 | 1411061 |
| Panel mounting bases for screw locking mechanism | | | | | | |
|  | Without cover | | 1411122 | 1411083 | 1411060 | 1411055 |
| | With cover | | | | | |
| Surface mounting housings for screw locking mechanism | | | | | | |
|  | Without cover | M20 | 1411880 | | | |
| | | M25 | 1411135 | 1411883 | | |
| | | M32 | | 1411096 | 1411054 | 1411889 |
| | | M40 | | | 1411886 | 1411063 |
| Covers with screw locking mechanism | | | | | | |
|  | For panel mounting side | | 1418441 | 1418444 | 1418445 | 1418446 |
| | For sleeve housing side | | | | | |

For suitable cable glands, see page 32 onwards.

Cable glands and adapters, plastic

| Cable glands | | | | | | | | | | |
|--------------|---------------------|------|---|---|---|---|---|---|---|---|
| | | |  |  |  |  |  |  |  |  |
| Thread | Cable diameter (mm) | | Gray | Black | EVO D housings | | EVO B housings | | Bending protection | Strain relief |
| | Min. | Max. | | | Bayonet lock | Thread adapter | Bayonet lock | Thread adapter | | |
| M20 | 6 | 12 | 1411125 | 1411133 | | | | | | |
| | 6 | 13 | | | | | | | 1415179 | 1415189 |
| | 7 | 13 | | | 1411350 | | 1407669 | | | |
| | 9 | 13 | | | | | | 1414243 | | |
| | 9 | 17 | | | | | | | | |
| | 10 | 14 | 1424476 | 1424481 | | | | | | |
| | 11 | 16 | | | | | | | | |
| M25 | 9 | 17 | | | 1411351 | | 1407670 | | 1415180 | 1415190 |
| | 10 | 14 | | | | | | | | |
| | 11 | 16 | | | | | | | | |
| | 11 | 17 | 1411126 | 1411134 | | 1411352 | | 1414244 | | |
| | 13 | 18 | 1424477 | 1424482 | | | | | | |
| | 14 | 21 | | | | | | | | |
| M32 | 11 | 21 | | | | | 1407671 | | | |
| | 13 | 18 | | | | | | | | |
| | 13 | 21 | | | | | | | 1415181 | 1415191 |
| | 14 | 21 | | | | | | 1414245 | | |
| | 15 | 21 | 1411127 | 1411136 | | | | | | |
| | 18 | 25 | 1424478 | 1424483 | | | | | | |
| | 19 | 27 | | | | | | | | |
| M40 | 18 | 25 | | | | | | | | |
| | 19 | 27 | | | | | | | | |
| | 19 | 28 | 1411128 | 1411137 | | | 1407672 | 1414246 | | |
| | 27 | 34 | | | | | | | | |
| M50 | 22 | 32 | | | | | | | | |
| | 24 | 35 | | | | | | | | |
| | 27 | 38 | | | | | | | | |
| | 30 | 36 | 1411129 | 1411138 | | | | | | |
| Pg13.5 | 6 | 12 | 1411143 | 1424498 | | | 1414247 | | | |
| Pg16 | 10 | 14 | 1411144 | 1424499 | | 1411353 | 1414248 | | | |
| Pg21 | 13 | 18 | 1411145 | 1424500 | | | 1414249 | | | |
| Pg29 | 18 | 25 | 1411146 | 1424501 | | | 1414250 | | | |
| Pg36 | 22 | 32 | 1411147 | 1424502 | | | | | | |
| Pg42 | 30 | 38 | 1411148 | 1424503 | | | | | | |

You will find additional cable glands and screw connections for protective hoses at phoenixcontact.com

 Denotes **HeavyCORE** stock designation product

Corrugated pipe adapters



| Thread | Protective hose outside diameter (mm) | For plastic protective hoses | | | | | | For protective hoses with coated spirals | |
|--------|---------------------------------------|------------------------------|---------|--------------------|---------|-----------------------|---------|--|----------------|
| | | Straight | | | | Angled | | Cannot be rotated | Can be rotated |
| | | Without strain relief | | With strain relief | | Without strain relief | | | |
| | | IP66 | IP69 | IP66 | IP69 | IP66 | IP69 | | |
| M20 | 21 | | | | | | | 3240998 | 3241012 |
| | 21.2 | 3240898 | 3240884 | 3240954 | 3240940 | 3240926 | 3240912 | | |
| M25 | 27 | | | | | | | 3240999 | 3241013 |
| | 28.5 | 3240899 | 3240885 | 3240955 | 3240941 | 3240927 | 3240913 | | |
| M32 | 34.5 | 3240900 | 3240886 | 3240956 | 3240942 | 3240928 | 3240914 | | |
| | 36 | | | | | | | 3241000 | 3241014 |
| M40 | 42.5 | 3240901 | 3240887 | 3240957 | 3240943 | 3240929 | 3240915 | | |
| | 45 | | | | | | | 3241001 | 3241015 |
| Pg16 | 21.2 | 3240891 | 3240877 | 3240947 | 3240933 | 3240919 | 3240905 | | |
| | 21 | | | | | | | 3240991 | 3241005 |
| Pg21 | 27 | | | | | | | 3240992 | 3241006 |
| | 28.5 | 3240892 | 3240878 | 3240948 | 3240934 | 3240920 | 3240906 | | |
| Pg29 | 34.5 | 3240893 | 3240879 | 3240949 | 3240935 | 3240921 | 3240907 | | |
| | 36 | | | | | | | 3240993 | 3241007 |
| Pg36 | 42.5 | 3240894 | 3240880 | 3240950 | 3240936 | 3240922 | 3240908 | | |
| | 45 | | | | | | | 3240994 | 3241008 |

Protective hose/flexible conduit








| For thread | Outside diameter (mm) | Inside diameter (mm) | PA V0, slotted | PA V0 | PA HB | Uncoated spiral | |
|------------|-----------------------|----------------------|----------------|---------|---------|-----------------|---------|
| | | | | | | PVC | PU |
| M20//Pg16 | 21 | 16 | | | | 3240852 | 3240859 |
| | 21.2 | 16.5 | 3240845 | 3240683 | 3240841 | | |
| M25//Pg21 | 27 | 22 | | | | 3240853 | 3240860 |
| | 28.5 | 23 | 3240846 | 3240684 | 3240842 | | |
| M32//Pg29 | 34.5 | 29 | 3240847 | 3241088 | 3240843 | | |
| | 36 | 29 | | | | 3240854 | 3240861 |
| M40//Pg36 | 42.5 | 36 | 3240848 | 3241089 | 3240844 | | |
| | 45 | 38 | | | | 3240855 | 3240862 |

Reducing adapters

| | Thread | PA HB |
|--|-----------|---------|
| | M25 / M20 | 1411232 |
| | M32 / M20 | 1410725 |
| | M32 / M25 | 1410712 |
| | M40 / M25 | 1410741 |
| | M40 / M32 | 1410738 |


Denotes HeavyCORE stock designation product

Cable glands and adapters, metal

| Cable glands | | | | | | | | | |
|--------------|---------------------|---|---|---|--|---|---|---|---------------|
| | |  |  |  |  |  |  |  | |
| Thread | Cable diameter (mm) | | Nickel-plated brass | EMC | EVO B housings | | | Bending protection | Strain relief |
| | Min. | Max. | | | Bayonet lock | | Thread adapter | | |
| | | | | | Die-cast aluminum | EMC | | | |
| M20 | 6 | 12 | 1411163 | | | | 1414256 | | |
| | 6 | 13 | | | | | | 1415182 | 1415192 |
| | 7 | 13 | | | | | | | |
| | 9 | 13 | | 1411189 | 1411442 | 1411439 | | | |
| | 9 | 17 | | | | | | | |
| | 10 | 14 | | | | | | | |
| | 11 | 16 | 1645998 | | | | | | |
| M25 | 9 | 17 | | | | | 1414257 | 1415183 | 1415193 |
| | 10 | 14 | 1424527 | | | | | | |
| | 11 | 16 | | 1411190 | 1411443 | 1411446 | | | |
| | 11 | 17 | 1411165 | | | | | | |
| | 13 | 18 | | | | | | | |
| | 14 | 21 | 1646007 | | | | | | |
| M32 | 11 | 21 | | | | | 1414258 | 1415184 | 1415194 |
| | 13 | 18 | 1424528 | | | | | | |
| | 13 | 21 | | | | | | | |
| | 14 | 21 | | 1411191 | 1411444 | 1411440 | | | |
| | 15 | 21 | 1411166 | | | | | | |
| | 18 | 25 | | | | | | | |
| | 19 | 27 | 1646010 | | | | | | |
| M40 | 18 | 25 | 1424529 | | | | 1414259 | 1415185 | 1415195 |
| | 19 | 27 | | 1411192 | 1411445 | 1411441 | | | |
| | 19 | 28 | 1411167 | | | | | | |
| | 27 | 34 | 1607729 | | | | | | |
| M50 | 22 | 32 | 1424530 | | | | | | |
| | 24 | 35 | | 1411193 | | | | | |
| | 27 | 38 | 1411168 | | | | | | |
| Pg13.5 | 6 | 12 | 1411173 | 1411198 | | | 1414260 | | |
| Pg16 | 10 | 14 | 1411174 | 1411199 | | | 1414261 | | |
| Pg21 | 13 | 18 | 1411175 | 1411200 | | | 1414262 | | |
| Pg29 | 18 | 25 | 1411176 | 1411201 | | | 1414263 | | |
| Pg36 | 22 | 32 | 1411178 | 1411202 | | | | | |
| Pg42 | 30 | 38 | 1411179 | 1411203 | | | | | |

 Denotes **HeavyCORE** stock designation product


Corrugated pipe adapters

| Corrugated pipe adapters | | | | |
|--------------------------|---------------------------------------|---|---|---|
| | |  |  |  |
| Thread | Protective hose outside diameter (mm) | For metal protective hoses | | |
| | | Cannot be rotated | | Can be rotated |
| | | IP40 | IP65 | IP40 |
| M20 | 21 | 3241047 | 3241061 | 3241033 |
| M25 | 27 | 3241048 | 3241062 | 3241034 |
| M32 | 36 | 3241049 | 3241063 | 3241035 |
| M40 | 45 | 3241050 | 3241064 | 3241036 |
| Pg16 | 21 | 3241040 | 3241054 | 3241026 |
| Pg21 | 27 | 3241041 | 3241055 | 3241027 |
| Pg29 | 36 | 3241042 | 3241056 | 3241028 |
| Pg36 | 45 | 3241043 | 3241057 | 3241029 |


Protective hose/flexible conduit

| For thread | Outside diameter (mm) | Inside diameter (mm) | Steel, galvanized | Stainless steel | Galvanized steel, PVC coated |
|-------------|-----------------------|----------------------|-------------------------|-------------------------|------------------------------|
| M20 // Pg16 | 21 | 16 | | | 3240870 |
| | | 18 | 3240699 | 3240688 | |
| M25 // Pg21 | 27 | 22 | | | 3240871 |
| | | 23 | 3240866 | 3240864 | |
| M32 // Pg29 | 36 | 29 | | | 3240872 |
| | | 31 | 3240700 | 3240689 | |
| M40 // Pg36 | 45 | 38 | | | 3240873 |
| | | | 3240701 | 3240690 | |

Reducing adapters




| | Thread | Brass, round | Brass, hexagonal |
|---|-------------|-------------------------|-------------------------|
|  | M20/M16 | 1647611 | |
| | M25/M20 | 1647624 | |
| | M32/M25 | 1647637 | |
| | M40/M32 | 1647640 | |
| | Pg16/Pg13.5 | | 1415216 |
| | Pg21/Pg16 | | 1415217 |
| | Pg29/Pg21 | | 1415218 |




Extension adapters





| | Thread | Brass |
|--|-------------|-------------------------|
|  | M16/M20 | 1647653 |
| | M20/M25 | 1647666 |
| | M25/M32 | 1647679 |
| | M32/M40 | 1647682 |
| | Pg13.5/Pg16 | 1415219 |
| | Pg16/Pg21 | 1415220 |
| | Pg21/Pg29 | 1415221 |

Denotes **HeavyCORE** stock designation product

Cable glands and adapters for NPT threads

| Cable glands | | | | | | | | | | | |
|--------------|----------------|------|----------|------|--------------|------|--------------|------|---|---|---|
| | | | | | | | | |  |  |  |
| Thread | Cable diameter | | | | | | | | Plastic | | Metal |
| | IEC (mm) | | IEC (in) | | UL 514B (mm) | | UL 514B (in) | | Black | Gray | Nickel-plated brass |
| | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | | | |
| 3/8" | 5 | 10 | 0.20 | 0.39 | 6 | 10 | 0.24 | 0.39 | 1411156 | 1411152 | 1411182 |
| 1/2" | 10 | 14 | 0.39 | 0.55 | 10 | 14 | 0.39 | 0.55 | 1411157 | 1411153 | 1411183 |
| 3/4" | 13 | 18 | 0.51 | 0.71 | 13 | 18 | 0.51 | 0.71 | 1411158 | 1411154 | 1411184 |
| 1" | 18 | 25 | 0.71 | 0.98 | 18 | 25 | 0.71 | 0.98 | 1411159 | 1411155 | 1411185 |

| Counter nuts for direct panel mounting | | | |
|---|---------|---|---------------------|
| | | | |
|  | |  | |
|  | | | |
| Thread | Plastic | | Metal |
| | Black | Gray | Nickel-plated brass |
| 3/8" | 1411236 | 1411231 | 1416009 |
| 1/2" | 1411237 | 1411233 | 1416010 |
| 3/4" | 1411238 | 1411234 | 1416011 |
| 1" | 1411239 | 1411235 | 1416012 |

| Thread adapters | | | | | |
|-----------------|--------------|---|---|---|---|
| | | | | | |
| | |  |  |  |  |
| Thread | | EVO D/M1 housing | EVO B housing | | NPT adapter |
| | | Plastic | Plastic | Metal | Metal |
| External | NPT internal | Black | Black | Nickel-plated brass | Nickel-plated brass |
| | | | 1414251 | 1414264 | |
| M20 | 1/2" | | | | 1686847 |
| Pg13.5 | | | | | 5540691 |
| Pg16 | | | | | 5540701 |
| | | 1411354 | 1414252 | 1414265 | |
| M25 | 3/4" | | | | 1686850 |
| Pg21 | | | | | 5540714 |
| | | | 1414253 | 1414266 | |
| M32 | 1" | | | | 1686863 |
| Pg29 | | | | | 5540811 |
| | | | 1414254 | 1414267 | |
| M40 | 1 1/4" | | | | 1687587 |
| Pg36 | | | | | 5537387 |

 Denotes **HeavyCORE** stock designation product

| | Material | Size | | | | | | | |
|---|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | D15 | D25 | D50 | B06 | B10 | B16 | B24 | B32 |
| Protective covers for sleeve housing with single-locking latch | | | | | | | | | |
|  | Plastic | | | | 1414634 | 1414635 | 1414636 | 1414637 | |
|  | Metal | | | | 1644546 | 1584512 | 1584525 | 1584538 | |
| Protective covers for panel mounting bases, surface mounting, and coupling housings for single-locking latch | | | | | | | | | |
|  | Plastic | 1424374 | 1424401 | | 1414623 | 1414625 | 1414626 | 1414627 | |
|  | Metal | | | | 1644559 | 1644562 | 1644588 | 1644601 | |
| Protective covers for sleeve housings with double-locking latch | | | | | | | | | |
|  | Plastic | | | | | 1414638 | 1414639 | 1414640 | |
|  | Metal | | | | | 1584541 | 1584554 | 1584567 | |
| Protective covers for panel mounting bases, surface mounting, and coupling housings for double-locking latch | | | | | | | | | |
|  | Plastic | | | 1424417 | | 1414628 | 1414629 | 1414630 | 1424850 |
|  | Metal | | | | | 1644575 | 1644591 | 1644614 | |
| Protective covers for sleeve housings for double-locking latch | | | | | | | | | |
|  | Plastic | | | | | 1414631 | 1414632 | 1414633 | |
|  | Metal | | | | | 1647750 | 1647763 | 1647776 | |
| Transparent covers for transporting panel mounting bases and sleeve, surface mounting, and coupling housings | | | | | | | | | |
|  | Plastic | | | | 1421100 | 1421101 | 1421102 | 1421103 | |







Connector kits

i Web code: #0523

| | Connection | Connection cross-section IEC // UL | Rated current IEC // UL | Rated voltage IEC // UL | Cable OD | Cover | Inlet | Number of positions | Order no. | |
|---|-----------------|--|----------------------------|----------------------------|-------------|-------|--------------|------------------------|--------------|---------|
| D7 plastic connector kits | | | | | | | | | | |
|  | Push-in (PT) | 0.14 mm ² ... 1.5 mm ² // AWG 16 | 16 A // 17.5 A | 230 / 400 V // 600 V | 4-10 mm | No | Side | 3+PE | 1424447 | |
| | | | | | | | Top | | 1424445 | |
| | | | | | | | Side | 4+PE | 1424448 | |
| | | | | | | | Top | | 1424446 | |
| D7 metal connector kits | | | | | | | | | | |
|  | Push-in (PT) | 0.14 mm ² ... 1.5 mm ² // AWG 16 | 16 A // 17.5 A | 230 / 400 V // 600 V | 6-12 mm | No | Side | 3+PE | 1424451 | |
| | | | | | | | Top | 3+PE | 1424449 | |
| | | | | | | | Side | 4+PE | 1424452 | |
| | | | | | | | Top | 4+PE | 1424450 | |
| EVO plastic D15 and D25 connector kits | | | | | | | | | | |
|  | Push-in (PT) | 0.14 mm ² ...2.5 mm ² // AWG 14 | 16 A // 17 A | 250 V // 600 V | 7-13 mm | No | Top/ Side | 10+PE | 1424454 | |
| | | | | | | | | | No | 1424453 |
| | Screw | | 16 A // 19 A | | | | | | Yes | 1411357 |
| | | | | | | | | | No | 1411356 |
| | Push-in (PT) | | 16 A // 17 A | | 9-17 mm | No | | 16+PE | Yes | 1424460 |
| | | | | | | | | | No | 1424459 |
| | Screw | | 16 A // 19 A | | | | | | Yes | 1411359 |
| | | | | | | | | | No | 1411358 |
| STANDARD metal D15 and D25 connector kits | | | | | | | | | | |
|  | Push-in (PT) | 0.14 mm ² ...2.5 mm ² // AWG 14 | 16 A // 17 A | 250 V // 600 V | 6-12 mm | No | Side Top | 10+PE | 1424458 | |
| | | | | | | | | | Yes | 1424456 |
| | | | | | | | | | Side | 1424457 |
| | | | | | | | | | Top | 1424455 |
| | | | | | 11-17 mm | No | | 16+PE | Yes | 1424464 |
| | | | | | | | | | Top | 1424462 |
| | | | | | | | | | Side | 1424463 |
| | | | | | | | | | Top | 1424461 |

Connector kits

i Web code: #0523

| | Connection | Connection cross-section IEC // UL | Rated current IEC // UL | Rated voltage IEC // UL | Cable OD | Cover | Inlet | Number of positions | Order no. |
|--|--------------|--|----------------------------|----------------------------|-------------|-------|--------------|------------------------|--------------|
| Single latch EVO B plastic connector kits | | | | | | | | | |
|  | Push-in (PT) | 0.14 mm ² ... 2.5 mm ² // AWG 14 | 16 A // 13 A | 500 V // 600 V | 7-13 mm | Yes | Top/ Side | 6+PE | 1407710 |
| | | | | | 9-17 mm | | | 10+PE | 1408791 |
| | | | | | 9-17 mm | | | 16+PE | 1408793 |
| | | | | | 11-21 mm | | | 24+PE | 1408794 |
| Double latch EVO B plastic connector kits | | | | | | | | | |
|  | Push-in (PT) | 0.14 mm ² ... 2.5 mm ² // AWG 14 | 16 A // 13 A | 500 V // 600 V | 6-12 mm | No | Top/ Side | 10+PE | 1407711 |
| | | | | | | | | 16+PE | 1407712 |
| | | | | | | | | 24+PE | 1407713 |
| Single latch EVO B metal connector kits | | | | | | | | | |
|  | Push-in (PT) | 0.14 mm ² ... 2.5 mm ² // AWG 14 | 16 A // 13 A | 500 V // 600 V | 9-13 mm | Yes | Top/ Side | 6+PE | 1411487 |
| | | | | | 11-16 mm | | | 10+PE | 1411491 |
| | | | | | 11-16 mm | | | 16+PE | 1411492 |
| | | | | | 14-21 mm | | | 24+PE | 1411493 |
| Double latch EVO B metal connector kits | | | | | | | | | |
|  | Push-in (PT) | 0.14 mm ² ... 2.5 mm ² // AWG 14 | 16 A // 13 A | 500 V // 600 V | 11-16 mm | No | Top/ Side | 10+PE | 1411488 |
| | | | | | 11-16 mm | | | 16+PE | 1411489 |
| | | | | | 14-21 mm | | | 24+PE | 1411490 |
| Single latch STANDARD B metal connector kits | | | | | | | | | |
|  | Push-in (PT) | 0.14 mm ² ... 2.5 mm ² // AWG 14 | 16 A // 13 A | 500 V // 600 V | 6-12 mm | Yes | Side | 6+PE | 1416353 |
| | | | | | | | Top | | 1416344 |
| | | | | | 11-17 mm | | Side | 10+PE | 1416354 |
| | | | | | | | Top | | 1416345 |
| | | | | | 15-21 mm | | Side | 16+PE | 1416356 |
| | | | | | | | Top | | 1416348 |
| | | | | | | | Side | 24+PE | 1416358 |
| | | | | | | | Top | | 1416351 |
| Double latch STANDARD B metal connector kits | | | | | | | | | |
|  | Push-in (PT) | 0.14 mm ² ... 2.5 mm ² // AWG 14 | 16 A // 13 A | 500 V // 600 V | 11-17 mm | No | Side | 10+PE | 1416355 |
| | | | | | | | Top | | 1416346 |
| | | | | | 15-21 mm | | Side | 16+PE | 1416357 |
| | | | | | | | Top | | 1416349 |
| | | | | | Side | | 24+PE | 1416359 | |
| | | | | | Top | | | 1416352 | |

Additional information

Accessories

You will find a comprehensive listing of accessories and replacement parts for advanced installation options and repairs for our complete HEAVYCON product range under:

i Web code: #0521

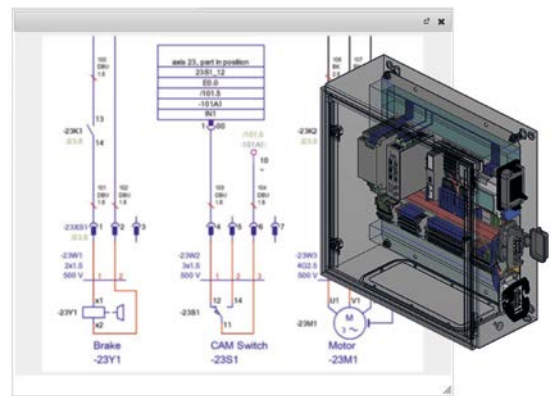
You will find our wide range of crimping tool and ferrule products under:

i Web code: #0544



EPLAN data including 3D models

If you need the latest EPLAN data in the format for EPLAN Electric P8 Version 2.x, you can call these up directly on our website under Service and Support / Downloads / EPLAN-P8-Data Manager. You will receive the product data in XML format for import into the product management system, product photos, as well as 3D models, and macros. This data is also available in the EPLAN Data Portal.



CES cable entry system

Cables can be clearly and systematically routed into the control cabinet with the CES modular cable entry system. Flexibly combinable cable seals can be mounted and replaced quickly. The cable seals are available in various shapes and diameters. They are particularly robust, and provide a reliable seal with protection class IP54.

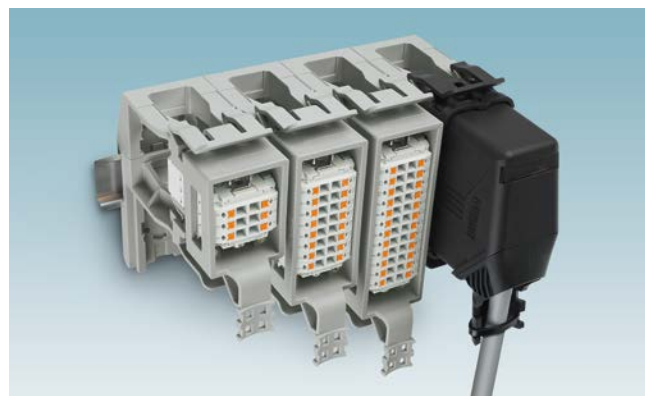
i Web code: #0570



DIN rail mounting frames

The new HC-CIF DIN rail mounting frames can be used to install pre-assembled contact inserts quickly and easily directly on the DIN rail in the control cabinet. Made from robust high-performance plastic, the frames are stable, very light, and also accommodate plastic sleeve housings from the HEAVYCON EVO B series of connectors.

i Web code: #1581



Solution Center value-add services needs

Modified cable outlets

We offer you connectors with cable outlets that are tailor-made to your requirements by modifying our standard housings.



Customized sets

If you require the same connector configuration for series machines or service tasks, we will gladly put together the matching set for you under an order number.

i Web code: #0523



Assembled housings

We provide sleeve housings and panel mounting bases for heavy-duty connectors assembled and wired in accordance with your specifications. Simply mount and wire in the cabinet – and your interface is ready.



Clearly marked

We mark in accordance with your requirements – whether cable or wire marking for different mounting types or directly printed cables and brand labeling.







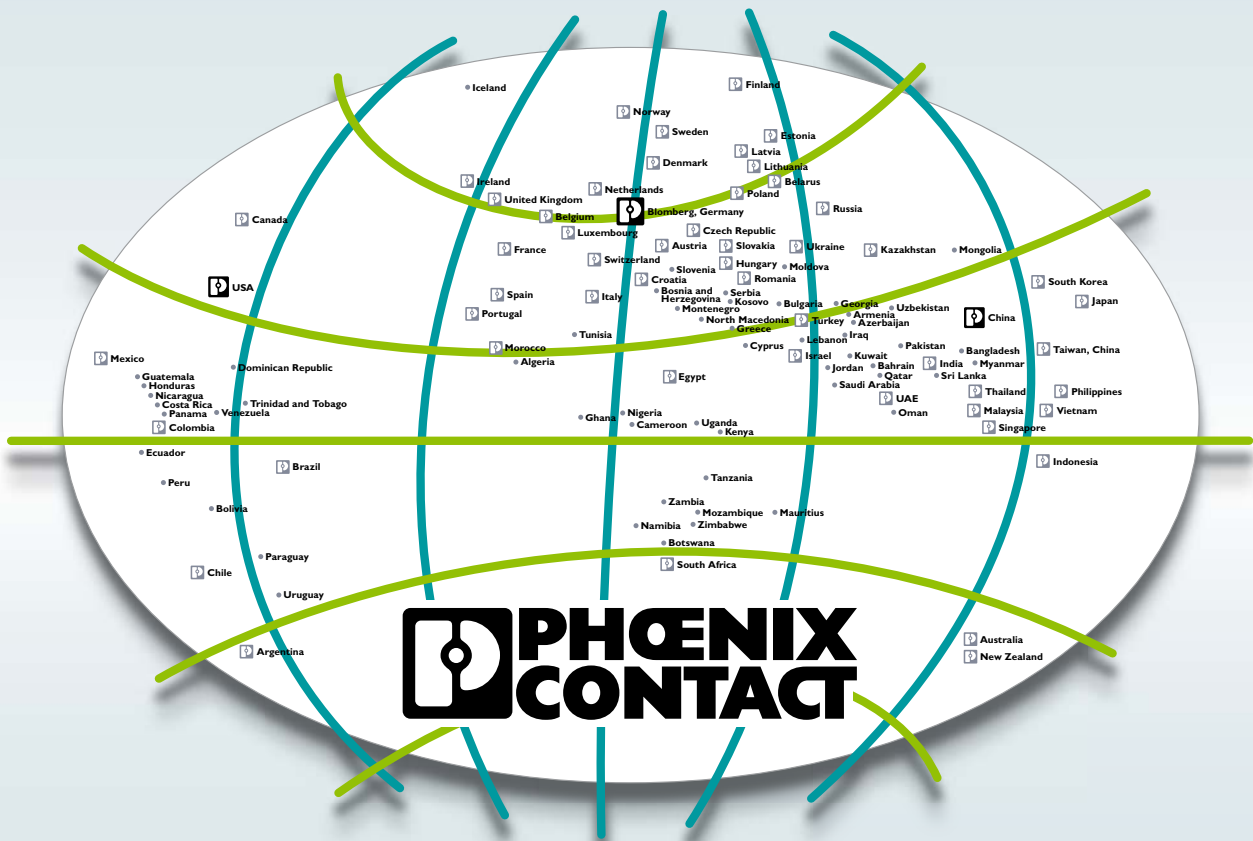
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