



HEAVYCON complete heavy-duty connectors

Compatible insertion – Flexible combinations

The right connector for every application with HEAVYCON complete

Heavy-duty connectors from the HEAVYCON complete series protect your interfaces and ensure secure power, data, and signal transmission even under the harshest conditions. They are resistant to dirt, water, vibrations, and high mechanical strain and remain sealed up to IP69K degree of protection. You can always create the right plug-in connection for your requirements with housings from our three series types and matching contact inserts which can be combined.

 Web code: #0002



Find out more with the web code

For detailed information, use the web codes provided in this brochure. Simply enter # and the four-digit number in the search field on our website.

 Web code: #1234 (example)

Or use the direct link:
phoenixcontact.net/webcode/#1234

HEAVYCON STANDARD – Proven versatility

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

Metal housings are EMC-ready

Thanks to conductive surfaces and seals, all HEAVYCON metal housings are EMC-ready. Combined with shielded cable glands, they offer you reliable protection in electromagnetic environments.



HEAVYCON EVO – Ingenious flexibility

The flexibly swiveling bayonet locking of the EVO series allows you to adjust the cable outlet direction on site.

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

HEAVYCON ADVANCE – Robust without compromise

ADVANCE housings are particularly durable and robust, thanks to direct screw locking without panel mounting base.

- Ideal for increased environmental requirements, thanks to high degree of protection
- Cost advantage, thanks to direct mounting
- Mounting compatible
- IP68 / IP69K

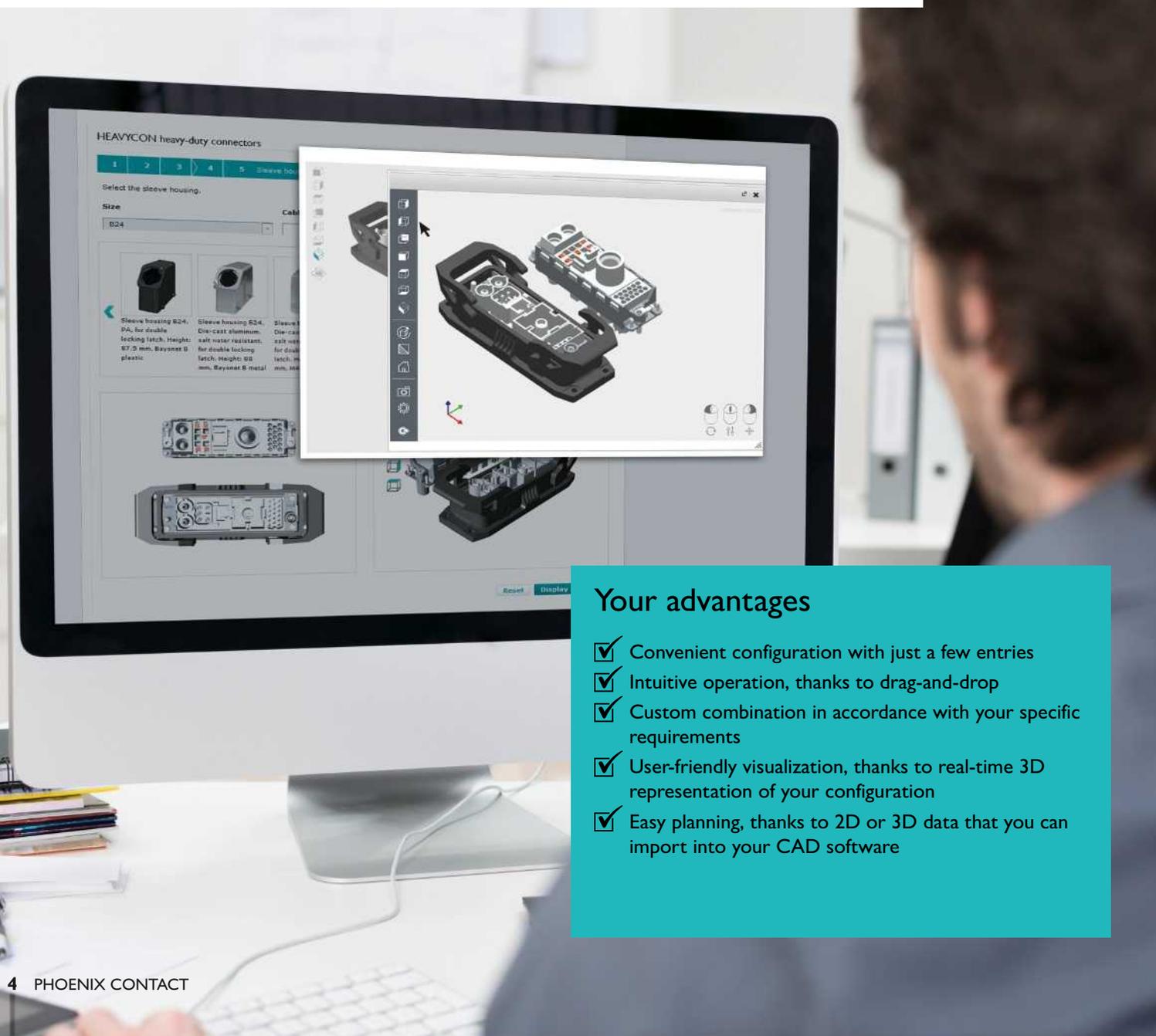
Contents

HEAVYCON online configurator	4
HEAVYCON complete	6
HEAVYCON STANDARD – Proven versatility	8
HEAVYCON EVO – Ingenious flexibility	10
HEAVYCON ADVANCE – Robust without compromise	12
HEAVYCON complete – Quality in every application	14
Contact inserts with a fixed number of positions – The right connection technology for every application	16
Modular contact inserts – Everything in one housing	18
Product and order overview	
System cross-reference list	20
D7 contact inserts and housings	22
D15, D25, D50 contact inserts and housings	24
Contact inserts with a fixed number of positions	26
Modular contact inserts	28
Snap-in frame and M1 single-module housing	30
Crimp contacts and tool	32
STANDARD and EVO metal housings	34
EVO mounting	37
EVO plastic housings	38
ADVANCE housings	40
Advance HPR housings	41
Cable glands	42
Protective covers	44
Further information	45
Customer-specific solutions	46

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 a very wide range of combination possibilities. 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 place your order immediately.



Your advantages

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

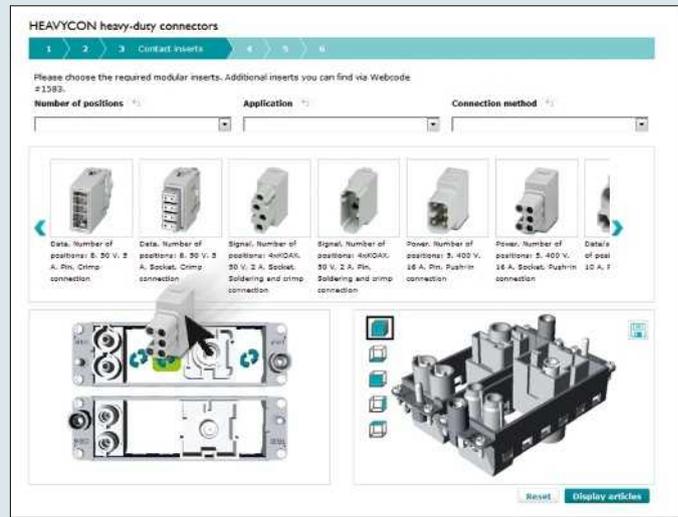
Online configurator for heavy-duty connectors

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.

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

 Web code: #1708



The desired connector in just a few steps



1. Select connector type

First of all, state the connector type.
HEAVYCON complete features housings for all applications.



3. Download the CAD data

Integrate the fully configured solution into your CAD system.



2. Combine inserts

Select the appropriate fixed position and modular contact inserts for the transmission of data, signals, power or pneumatic applications in accordance with your requirements.



4. Order the configuration

The product list can be exported, processed further or ordered directly. You can call up the configuration again at any time via the generated solution ID.

Flexible even under the harshest operating conditions

Heavy-duty connectors are established on the market and used in applications where robust Plug and Play solutions are required. Combine virtually every plug-in connection with the HEAVYCON complete product range – optimally tailored to your space requirements and assembly outlay.

In wind turbines, groups of cables and lines are connected using connectors, for example. The interfaces must be resistant to corrosion, robust and as lightweight as possible. This is where the HEAVYCON EVO series comes into its own.



Robust and quickly set up in the production line:
HEAVYCON STANDARD



Flexible in machine building and systems manufacturing: HEAVYCON EVO with modular inserts

Free combination is your competitive advantage

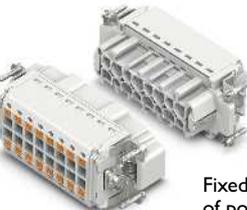
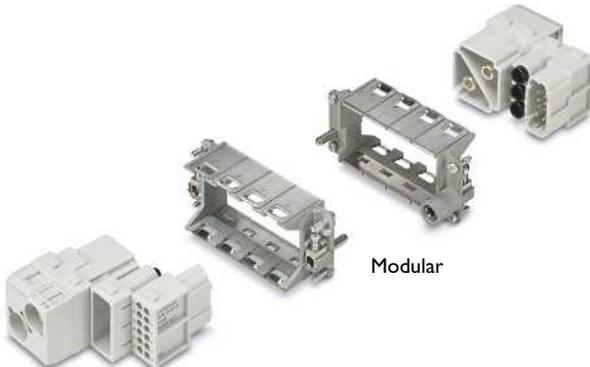
The HEAVYCON complete product range

The entire HEAVYCON complete product range consists of metal and plastic housings, contact inserts, cable glands, and accessories.

All housing series fit on standard panel cutouts. STANDARD and EVO housings require a panel mounting base for the panel feed-through. ADVANCE housings can be mounted directly onto the wall using the panel mounting flange.

The sleeve housings, panel mounting bases, surface mounting housings, and coupling housings can be freely combined with one another within the STANDARD and EVO series. They are mounting and plug-in compatible with aluminum housings from well-known manufacturers. This allows all components to be individually combined and flexibly modified, extended, or replaced.

Our fixed position and modular contact inserts naturally fit into all housing series.

HEAVYCON complete		
HEAVYCON STANDARD	HEAVYCON EVO	HEAVYCON ADVANCE
<p>Sleeve housing</p> 		
<p>Contact inserts</p>  <p>Fixed number of positions</p>  <p>Modular</p>		
<p>Panel mounting bases</p> 		<p>Panel mounting flange</p> 

HEAVYCON STANDARD – Proven versatility

HEAVYCON STANDARD housings with fast and reliable locking latch are suitable for many applications. The robust metal housings resist dirt, water, vibrations, and high mechanical strain.

HEAVYCON STANDARD and EVO housings are equipped with single or double locking latches. Various supporting base elements such as panel mounting bases, surface mounting housings or coupling housings are available depending on the application.

 Web code: [#0517](#)



STANDARD housings

The robust STANDARD metal housings are available with various cable outlet directions and locking mechanisms in the B and D series.



Compact D7 size

With the metal or plastic D7 connectors, you can transmit signals and power even where space is limited. They are suitable for square contact inserts.



Various outlet directions

Select from our wide housing range according to your requirements. We offer you sleeve housings with straight or lateral cable outlet for all common metric and Pg thread sizes.



Proven product range

The STANDARD housings are available in market-standard sizes and are fully compatible with the industry standard.



Convenient locking latch

The locking latch can be manually pressed quickly and easily. Housings with single locking latch are ideal for lengthwise alignment. Double locking latches can be installed sideways to save space.



EMC protection

The housing surfaces and seals are electrically conductive. Combined with shielded cable glands, they offer you reliable EMC protection.



For the harshest operating conditions

The metal housings are made from particularly corrosion-resistant die-cast aluminum, which is resistant to aggressive industrial conditions and high mechanical loads. They are reliably sealed up to IP67 degree of protection.

HEAVYCON EVO – Ingenious flexibility

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

The use of high-quality materials and full compatibility with the industry standard enable failsafe performance in a wide range of applications.

 Web code: #0518



EVO housings

The flexible EVO housings are available in the B and D series. Depending on the application, select a cost-effective plastic housing or an EMC-compatible metal housing.



Flexible even where installation space is tight

The plastic M1 single module housings accommodate modular contact inserts thus providing extremely compact interfaces.



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.



Flexible connection in moments

The cable gland, which is separate from the housing, is securely locked in place in moments and without the need for special tools, thanks to the bayonet locking.



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.



EMC protection

The housing surfaces and seals of the metal series are electrically conductive. Combined with shielded cable glands, they offer you reliable EMC protection.



For harsh conditions

EVO connectors are tested for use in various industrial applications. The fiberglass-reinforced polyamide plastic housings satisfy the requirements for IP66 degree of protection, and the metal housings satisfy IP66/IP67.

HEAVYCON ADVANCE – Robust without compromise

HEAVYCON ADVANCE heavy-duty connectors with screw locking are ideally suited for particularly aggressive surroundings, e.g., in offshore areas, the chemical or railway industry. Sensitive interfaces are reliably protected, even against EMC influences.

For the panel feed-through, the panel mounting base that is normally used has been replaced by two simple panel mounting flanges, thereby reducing mounting and material costs. With this method, the sleeve housing forms a seal directly on the control cabinet panel.

 Web code: [#0519](#)



ADVANCE housings

HEAVYCON ADVANCE is available in metal and plastic versions. The powder-coated outdoor housing is suitable for meeting extreme demands.



Robust screw locking

Mount the ADVANCE sleeve housing with two panel mounting flanges and robust stainless steel locking screws directly onto the wall. This achieves a high degree of tightness and makes it more difficult for unauthorized persons to gain access.



Save space without panel mounting bases

With HEAVYCON ADVANCE, you eliminate the need for the normal panel mounting base on the device side. The housings are therefore particularly durable, robust, and save space.



Save space and reduce costs

ADVANCE housings do not need a panel mounting base on the device side.



Cost-efficient designs

Without the need for the normal panel mounting base, you save on mounting and material costs. The low designs of the metal and molded cable glands of the plastic housings offer further savings potential.



EMC protection

The housing surfaces and seals of the metal series are electrically conductive. Combined with shielded cable glands, they offer you reliable EMC protection.



For aggressive ambient conditions

Thanks to the special powder coating and UV-resistant seals, the ADVANCE housings are ideal for use under extreme outdoor conditions.

HEAVYCON complete – Quality in every application

The quality of our products is our top priority. We do not just test the quality of finished products, we are aware of our responsibility and perform testing during every step of the development process.

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

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



IP and NEMA degrees of protection DIN EN 60529, NEMA 250

On HEAVYCON connectors, no visible dust or water ingress can be detected within the housing. The contact inserts are well protected.



Vibration IEC 60068-2-6

HEAVYCON connectors fulfill the requirements of the vibration test and are therefore ideal for applications on construction vehicles and machinery.



Temperature shock IEC 60512-11-4, test 11d

HEAVYCON connectors are suitable for applications in ambient temperatures of between -40°C to $+125^{\circ}\text{C}$ with constant temperature behavior.



**IK09 shock resistance
IEC 62262**

HEAVYCON plastic connectors with IK09 are shock resistant to a similar degree as aluminum connectors or control boxes.



**Roll-over in accordance with
DIN IEC 62196-1**

HEAVYCON plastic housings withstand high stress levels from heavy, moving loads without any adverse effect on the function.



**Dynamic load
HEAVYCON EVO special test**

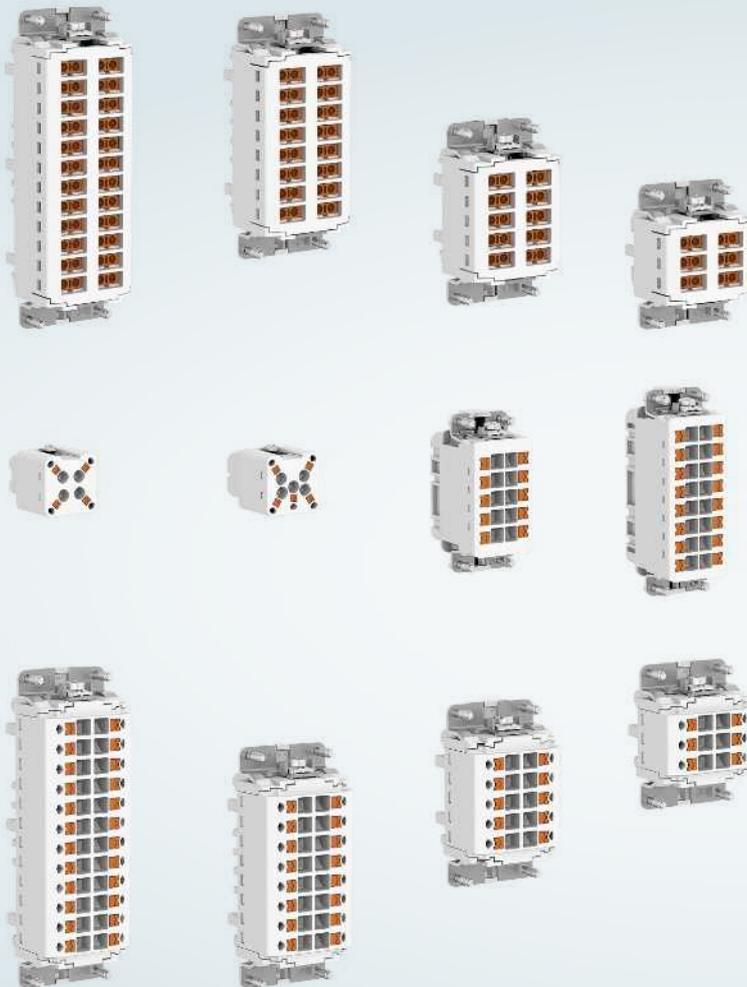
This test verifies that the HEAVYCON EVO bayonet locking and the double locking latch do not open independently or malfunction even in the case of extremely static loads.

Contact inserts with a fixed number of positions – The right connection technology for every application

Our contact inserts offer you consistently compatible interfaces, which can be flexibly combined, for all conventional sizes.

The fixed-position versions are available – even for mixed assembly – in a variety of performance classes and with a variety of connection technologies. Fast connection technologies such as Push-in or QUICKON insulation displacement connection make it possible to connect cables in seconds.

i Web code: #0516



Push-in Technology 
Designed by PHOENIX CONTACT



Your advantages

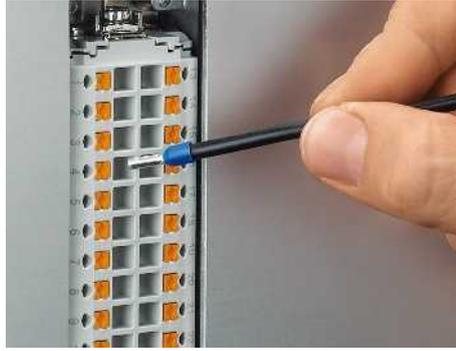
- ✓ Comprehensive range with the right Push-in insert for every size
- ✓ Easy, tool-free installation with Push-in connection
- ✓ Connection-compatible with other connection technologies, such as crimp connection

Easily connect, code, and mount contact inserts



User-friendly Push-in connection

Contact inserts with Push-in connection provide easy handling, extremely short connection time, and a secure connection.



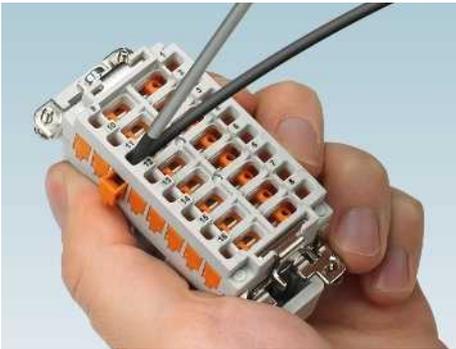
Easy installation

Contact inserts with Push-in connection technology allow you to make connections quickly and easily, even for components already installed in a control cabinet.



For high packing density

We provide Push-in inserts with a compact terminal chamber for high-position applications and modules with double conductor connections.



Fast QUICKON connection

Reduce wiring times by up to 60%. With the QUICKON connection, you can connect stranded and solid conductors without preparation work.



Compact crimp connection

Contact inserts with crimp connection need very little space at the terminal point.



Universal screw connection

Satisfy the highest demands with the maintenance-free screw connection. The conductor connection is gas-tight and permanent.



Cost-effective coding

The coding with plastic profiles will prevent you from mismatching identical, adjacent connectors.



Tools

Mechanical crimping pliers can be used to crimp all types of contact reliably and effortlessly. Unlocking tools are available for removal.



Portable hand-held device

You can strip conductors and crimp ferrules in less than two seconds using the Crimphandy portable hand-held device.

Modular contact inserts – Everything in one housing

Combine the appropriate modules for your application from our wide range of products: the HEAVYCON modular range includes over 50 contact inserts for power, signal, and data transmission, and for pneumatic applications.

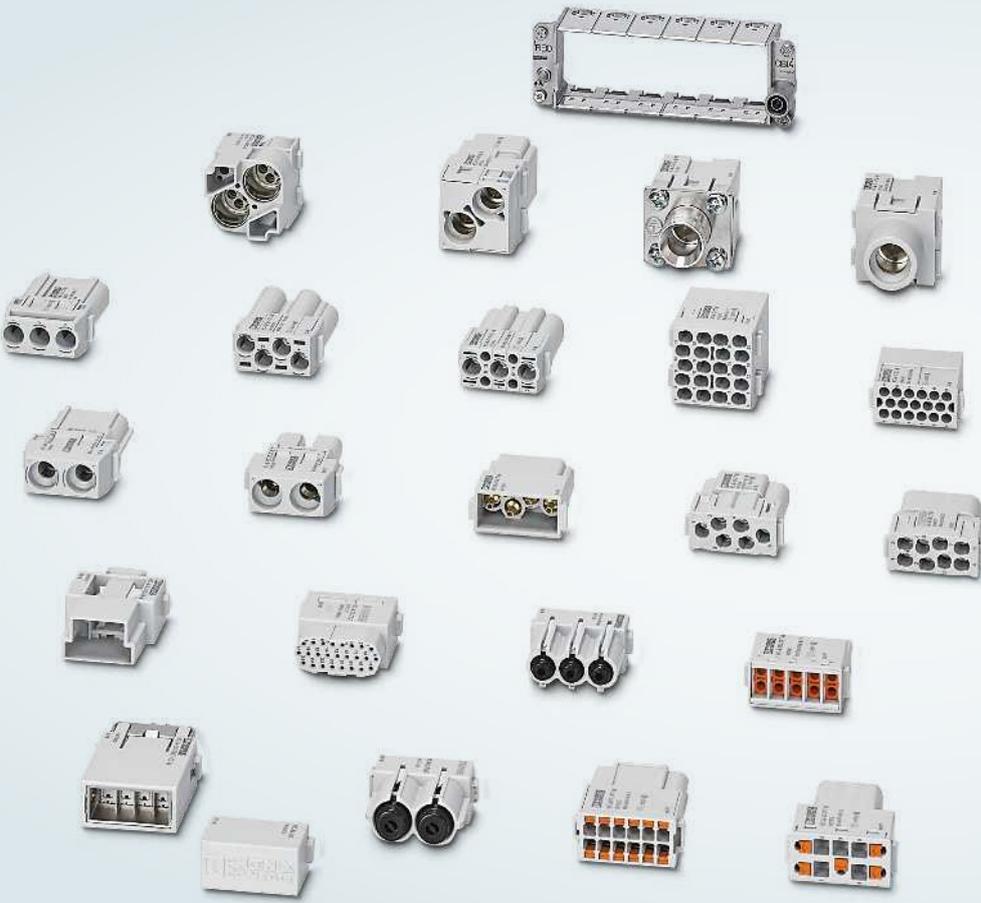
The innovative snap-in frame with sturdy catch springs enables quick mounting. It fits in all housings of the HEAVYCON STANDARD, EVO, and ADVANCE series. Modules and frames are compatible with the market standard.

i Web code: #0516



Easy to 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.



Your advantages

- ✓ Highly compact interface, thanks to the combination of a wide range of transmission media in one housing
- ✓ Reduce installation time by 40%, thanks to the innovative snap-in frame with latch springs
- ✓ Safe, thanks to touch proofness and leading PE contact
- ✓ Fully compatible with the industry standard

Push-in Technology ³

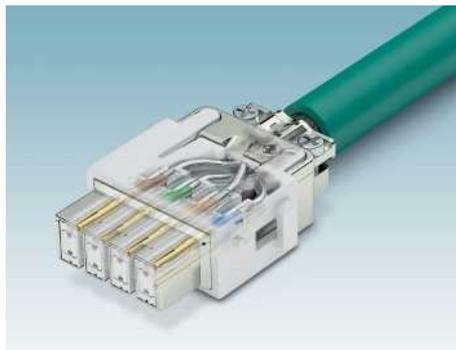
Designed by PHOENIX CONTACT

The right connector for every application, thanks to the comprehensive range of contact inserts.



Data transmission via RJ45

You can integrate RJ45 data cables easily into your application with the RJ45 modules. We also offer pre-assembled patch cables which are immediately ready for use.



High-speed data transfer

With our gigabit modules featuring 360° shielding and contacts shielded in pairs, you can transmit data quickly and securely for high-speed applications.



Easy contacting

Direct insertion without any tools: contact inserts with Push-in connection provide a convenient conductor connection resistant to vibrations.

System cross-reference list: HEAVYCON housings and contact inserts

HEAVYCON contact inserts																							
Series	A		D		Q							A			D			D					
Number of positions	3	4	7	8	2	3	4	5	7	12	10	16	2x16	15	25	2x25	40	64	2x40	2x64			
Size	D7		D7		D7							D15	D25	D50	D15	D25	D50	B16	B24	B32	B48		
IEC rated voltage	230/400		250	50	400	400	830	230/400	400	400	250			250			250						
IEC rated current	24		10		40	40	40	24	10	10	20			10			10						
UL rated voltage	600		600	30	600	600	600	600	600	600	600			600			600						
UL rated current	16 – 24		12		50	50	50	24	17.5	15	16 – 19			10			10						
Connection methods																							
UT = Screw		UT									UT												
CT = Crimp				CT		CT							CT			CT			CT				
PT = Push-in		PT									PT												
Q = IDC / QUICKON		Q																					
A = Axial screw				A																			
P = Pneumatics																							
Series	A		D		Q							A			D			D					
Number of positions	3	4	7	8	2	3	4	5	7	12	10	16	2x16	15	25	2x25	40	64	2x40	2x64			
HEAVYCON housings	Page	22										24					27						
D7		23	•	•	•	•	•	•	•	•	•												
D15		25										•		•									
D25													•		•								
D50														•		•							
M1		30																					
B6		34 onwards																					
B10																							
B16																			•				
B24																				•			
B32																					•		
B48																						•	

																													
DD						B						BB						BBB				HV			HS		M		
24	42	72	108	2x 72	2x 108	6	10	16	24	2x 16	2x 24	10	18	32	46	2x 32	2x 46	40	64	2x 40	2x 64	3 +2	6 +2	10 +2	6	2x 6	Variable		
B6	B10	B16	B24	B32	B48	B6	B10	B16	B24	B32	B48	B6	B10	B16	B24	B32	B48	B16	B24	B32	B48	B10	B16	B24	B16	B32			
250						500						500						500				830			400/690		50 – 5000		
10						16						16						16				16			41		5 – 200		
600						600						600						600				600			600		30 – 600		
10						10 – 16						16 – 20						16				16 – 21			35		5 – 146		
						UT																			UT				
CT						CT						CT						CT				CT					CT		
						PT																PT					PT		
						Q																							
																											A		
																											P		
DD						B						BB						BBB				HV			HS		M		
24	42	72	108	2x 72	2x 108	6	10	16	24	2x 16	2x 24	10	18	32	46	2x 32	2x 46	40	64	2x 40	2x 64	3 +2	6 +2	10 +2	6	2x 6	Variable		
27						26						26						26				27			27		28		
																													•
•							•					•																	•
	•							•					•										•						•
		•							•					•					•						•				•
			•							•					•					•						•			•
				•							•					•												•	•
					•												•												•

Contact inserts for D7 housings

 Web code: #0586

	Connection	Connection cross section IEC/UL	Rated current IEC/UL	Rated voltage IEC/UL	Design	Number of positions	
A series						3	4
	Push-in (PT)	0.14 – 1.5 mm ² AWG 16	20 A 17.5 A	230/400 V 600 V	Socket	1585265	1585281
					Pin	1585252	1585278
	Screw (UT)	0.14 – 2.5 mm ² AWG 14	24 A 24 A	230/400 V 600 V	Socket	1585223	1585249
					Pin	1585210	1585236
D series						7	8
	Crimp CK 1,6 (CT)	0.14 – 2.5 mm ² AWG 14	10 A 12 A	50 V 30 V	Socket		1584363
					Pin		1584350
	Crimp CK 1,6 (CT)	0.14 – 2.5 mm ² AWG 14	10 A 12 A	250 V 600 V	Socket	1584347*	
					Pin	1584334*	
Q series						2	3
	Crimp CK 4,0 (CT)	1.5 – 6.0 mm ²	40 A 50 A	400 V 600 V	Socket	1419895	1419897
					Pin	1419893	1419896
						4	
	Crimp CK 4,0 (CT)	1.5 – 6.0 mm ²	40 A 50 A	830 V 600 V	Socket	1419899*	
					Pin	1419898*	
						5	
	Crimp CK 2,5 (CT)	0.5 – 2.5 mm ² AWG 14	10 A 24 A	230/400 V 600 V	Socket	1406537	
					Pin	1406538	
						7	
	Crimp CK 1,6 (CT)	0.14 – 2.5 mm ² AWG 14	10 A 17.5 A	400 V 600 V	Socket	1418623	
					Pin	1418624	
						12	
	Crimp CK 1,6 (CT)	0.14 – 2.5 mm ² AWG 14	10 A 15 A	400 V 600 V	Socket	1418625	
					Pin	1418626	

*Only suitable for plastic housings

	Design	Plastic (IP66)		Metal (IP66/IP67)			HPR (IP68/IP69K)		
		M20	M25	M20	M25	PG11	M20	M25	
Sleeve housing									
	Top		1419255	1419256	1419229	1419231	1419232	1424638	1424639
	Side		1419257	1419258	1419235	1419236	1419237		
Panel mounting base, straight									
	Without cover		1419265		1419249			1424637	
	With cover	For pin inserts	1419278		1419250				
		For socket inserts	1419277		1419251				
Panel mounting base, angled									
			1419266		1419252			1424635	
Surface mounting housing									
	With open bottom		1419267		1419253		1419233		
	With closed bottom		1419268		1419234		1419241	1424641	
Coupling housing									
	Without cover		1419259	1419260	1419238	1419239	1419240		
	With cover	For pin inserts	1419263	1419264	1419246	1419247	1419248		
		For socket inserts	1419261	1419262	1419243	1419244	1419245		
Feed-through header									
			1419269		1419242				
Cover for sleeve housing									
		For pin inserts	1419275						
		For socket inserts	1419274						
Cover for panel mounting bases, surface mounting housings, and coupling housings									
		For pin inserts	1419271					1424636	
		For socket inserts	1419270					1424636	

Contact inserts for D15, D25, D50 housings

 Web code: #1952

	Connection	Connection cross section IEC/UL	Rated current IEC/UL	Rated voltage IEC/UL	Design	Housing size		
						D15	D25	D50
A series						Number of positions		
						10	16	2x16
	Push-in (PT)	0.14 – 2.5 mm ² AWG 14	16 A 17 A	250 V 600 V	Socket	1585362	1585388	1585388 1585401
					Pin	1585359	1585375	1585375 1585391
	Screw (UT)	0.14 – 2.5 mm ² AWG 14	20 A 19 A	250 V 600 V	Socket	1585304	1585320	1585320 1585346
					Pin	1585294	1585317	1585317 1585333
	Crimp CK 2,5 (CT)	0.5 – 4.0 mm ²	16 A	250 V 600 V	Socket	1676983	1677018	1677018 1677050
					Pin	1676996	1677034	1677034 1677076
D series						Number of positions		
						15	25	2x25
	Crimp CK 1,6 (CT)	0.14 – 2.5 mm ² AWG 14	10 A 10 A	250 V 600 V	Socket	1584389	1584402	1584402 1584402
					Pin	1584376	1584392	1584392 1584392
						25 Z		
	Crimp CK 1,6 (CT)	0.14 – 2.5 mm ² AWG 14	10 A 10 A	250 V 600 V	Socket		1411481	
					Pin		1411478	

Cable glands

	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

	Cable Ø in mm	Thread	Plastic
Standard cable glands			
	6 ... 12	M20	1411133
	10 ... 14	M20	1424481
	11 ... 17	M25	1411134
	13 ... 18	M25	1424482
	15 ... 21	M32	1411136
	18 ... 25	M32	1424483
	6 ... 12	PG13.5	1424498
	10 ... 14	PG16	1424499
	13 ... 18	PG21	1424500
	18 ... 25	PG29	1424501

	Height	Thread	Plastic (IP66)		Metal (IP66/IP67)		
			D15	D25	D15	D25	D50
Sleeve housing for single locking latch							
	Low	1x M20			1424350	1424381	
		1x PG13,5			1424352		
		1x PG16				1424383	
	High	1x M20	1411340	1411347			
		1x M25	1411340	1411347	1424351	1424382	1424408
		1x M32					1424409
		1x PG16			1424353	1424384	
		1x PG21			1424358	1424385	1424410
	1x PG29					1424411	
	Low	1x M20			1424345	1424376	
		1x M25					1424402
		1x PG16			1424347	1424378	
		1x PG21					1424405
	High	1x M20	1411340	1411347			
		1x M25	1411340	1411347	1424346	1424377	1424403
		1x M32					1424404
		1x PG16			1424348	1424379	
	1x PG21			1424349	1424380	1424406	
	1x PG29					1424407	
Panel mounting base with single locking latch							
	Without cover		1411336	1411344	1424362	1424391	1424412
	With cover		1411337	1411345	1424363	1424390	
Surface mounting housing with single locking latch							
	Without cover	1x/2x M20	1421463	1421466	1424364	1424392	
		1x/2x M25	1411341	1411348	1424365	1424393	1424413
		1x/2x M32					1424414
		1x/2x PG16			1424366	1424394	
		1x/2x PG21			1424367	1424395	1424415
		1x/2x PG29					1424416
	With cover	1x/2x M20	1421465	1421467	1424369	1424396	
		1x/2x M25	1411343	1411349	1424371	1424397	
		1x/2x PG16			1424372	1424398	
		1x/2x PG21			1424373	1424399	
Coupling housing with single locking latch							
	High	1x/2x M20	1411338	1411346			
		1x/2x M25			1424361	1424387	
		1x/2x PG16			1424360	1424389	

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	Design	Housing size					
						B06	B10	B16	B24	B32	B48
B series						Number of positions					
						6	10	16	24	32	48
	Push-in (PT)	0.14 – 2.5 mm ² AWG 14	16 A 13 A	500 V 600 V	Socket	1407727	1407729	1407731	1407735	1407731	1407735
										1407733	1407737
					Pin	1407728	1407730	1407732	1407736	1407732	1407736
										1407734	1407738
	TWIN Push-in (TPT)	0.14 – 1.5 mm ² AWG 16	10 A 14 A	500 V 600 V	Socket	1423016	1423018	1423020	1423022	1423020	1423022
										1423826	1423828
					Pin	1423015	1423017	1423019	1423021	1423019	1423021
										1423825	1423827
	Screw (UT)	0.5 – 2.5 mm ² AWG 14	24 A 16 A	500 V 600 V	Socket	1648128	1648186	1648241	1648306	1648241	1648306
										1584884	1584949
					Pin	1648115	1648173	1648238	1648296	1648238	1648296
										1584871	1584936
	Crimp CK 2,5 (CT)	0.5 – 4.0 mm ² AWG 14	16 A 13 A	500 V 600 V	Socket	1648160	1648225	1648283	1648348	1648283	1648348
										1584923	1584981
					Pin	1648157	1648212	1648270	1648335	1648270	1648335
										1584910	1584978
	IDC (QT)	0.34 – 2.5 mm ² AWG 14	16 A 10 A	500 V 600 V	Socket	1605556	1605569	1605572	1605585	1605572	1605585
										1605598	1605608
					Pin	1605611	1605624	1605637	1605640	1605637	1605640
										1605653	1605666
B-A series						Number of positions					
						6	10	16	24		
	Screw (UT)	0.14 – 2.5 mm ² AWG 14	16 A 13 A	500 V 600 V	Socket, PEL	1648018	1648030	1648042	1648054		
					Socket, PER	1648066	1648078	1648090	1648102		
					Pin, PEL	1648024	1648036	1648048	1648060		
					Pin, PER	1648072	1648084	1648096	1648108		
	Push-in (DT)	0.14 – 2.5 mm ² AWG 14	16 A 13 A	500 V 600 V	Socket, PEL	1648351	1648393	1648432	1648474		
					Socket, PER	1648377	1648416	1648458	1648490		
					Pin, PEL	1648364	1648403	1648445	1648487		
					Pin, PER	1648380	1648429	1648461	1648500		
BB series						Number of positions					
						10	18	32	46	64	92
	Crimp CK 2,5 (CT)	0.5 – 4.0 mm ² AWG 12	16 A 20 A	500 V 600 V	Socket	1584703	1584729	1584745	1584758	1584745	1584758
										1406543	1406545
					Pin	1584774	1584716	1584732	1584761	1584732	1584761
										1406544	1406546
BBB series						Number of positions					
								40	64	2x40	2x64
	Crimp CK 2,5 (CT)	0.5 – 4.0 mm ² AWG 12	16 A 16 A	500 V 600 V	Socket			1409930	1409914	1409930	1409914
										1409930	1409914
					Pin			1409921	1409901	1409921	1409901
										1409921	1409901

	Connection	Connection cross section IEC/UL	Rated current IEC/UL	Rated voltage IEC/UL	Design	Housing size					
						B06	B10	B16	B24	B32	B48
D series						Number of positions					
								40	64	80	128
	Crimp CK 1,6 (CT)	0.14 – 2.5 mm ² AWG 14	10 A 10 A	250V 600 V	Socket			1584428	1584444	1584428	1584444
									1584428	1584444	
					Pin			1584415	1584431	1584415	1584431
										1584415	1584431
Baureihe D-A						Number of positions					
								40	64		
	Screw (UT)	0.5 – 2.5 mm ² AWG 14	10 A 10 A	250V 600 V	Socket, PEL			1584253	1584295		
					Socket, PER			1584279	1584321		
					Pin, PEL			1584240	1584282		
					Pin, PER			1584266	1584318		
	Push-in (DT)	0.14 – 2.5 mm ² AWG 14	10 A 10 A	250V 600 V	Socket, PEL			1580147	1580189		
					Socket, PER			1580163	1580202		
					Pin, PEL			1580150	1580192		
					Pin, PER			1580176	1580215		
DD series						Number of positions					
						24	42	72	108	144	215
	Crimp CK 1,6 (CT)	0.14 – 2.5 mm ² AWG 14	10 A 10 A	250V 600 V	Socket	1584046	1584062	1584091	1584130	1584091	1584130
									1584101	1584143	
					Pin	1584033	1584059	1584075	1584114	1584075	1584114
										1584088	1584127

HS series						Number of positions					
								6		12	
	Screw (UT)	0.5 – 6.0 mm ² AWG 10	41 A 35 A	400 / 690 V 600 V	Socket			1406530		1406530	
									1406533		
					Pin			1406531		1406531	
										1406534	
HV series						Number of positions					
							3	6	10		
	Push-in (PT)	0.14 – 2.5 mm ² AWG 14	16 A 13 A	830 V 600 V	Socket		1407743	1407744	1407745		
					Pin		1407739	1407740	1407741		
	Crimp CK 2,5 (CT)	0.5 – 4.0 mm ² AWG 12	16 A 16 A	830 V 600 V	Socket		1405261	1405263	1405265		
					Pin		1405260	1405262	1405264		
K series						Number of positions					
								6			
	Screw (UT)	6 – 16 mm ² AWG 6	80 A 80 A	1,000 V 600 V	Socket			1580537			
					Pin			1580538			

Modular contact inserts for B housings

POWER		Number of positions									
		1		1		2		2		2	
Connection		Axial screw		Axial screw		Axial screw		Axial screw		Axial screw	
IEC rated data		200 A, 1,000 V, 70 mm ²		200 A, PE, 70 mm ²		100 A, 1,000 V, 35 mm ²		70 A, 1,000 V, 25 mm ²		40 A, 1,000 V, 10 mm ²	
UL rated data		146 A, 600 V, AWG 00		146 A, 600 V, AWG 00		127 A, 600 V, AWG 2		69 A, 600 V, AWG 6		55 A, 600 V, AWG 8	
Module slots		2		2		2		1		1	
Socket	Pin	1417379	1417381	1417380	1417382	1417390	1417392	1417296	1417297	1417387	1417389
		2		3		3/4		4		2	
Connection		Crimp CK 4,0		Crimp CK 4,0		Crimp CK 4,0		Crimp CK 4,0		Crimp CK 2,5	
IEC rated data		40 A, 1,000 V, 10 mm ²		40 A, 690 V, 10 mm ²		40/10 A, 830 V, 6/2,5 mm ²		40 A, 830 V, 6 mm ²		16 A, 2900 V, 4 mm ²	
UL rated data		42 A, 600 V, AWG 10		42 A, 600 V, AWG 10		40 A, 600 V, AWG 10		37 A, 600 V, AWG 10		28 A, 600 V, AWG 12	
Module slots		1		1		1		1		2	
Socket	Pin	1414361	1414360	1414359	1414358	1414365	1414364	1414363	1414362	1417407	1417408
		5		5		6		6		8	
Connection		Push-in		Push-in TWIN		Crimp CK 2,5		Crimp CK 2,5		Crimp CK 2,5	
IEC rated data		16 A, 400 V, 2,5 mm ²		10 A, 400 V, 1,5 mm ²		16 A, 830 V, 4 mm ²		16 A, 830 V, 4 mm ²		16 A, 830 V, 4 mm ²	
UL rated data		19 A, 600 V, AWG 14		16 A, 600 V, AWG 16		24 A, 600 V, AWG 12		24 A, 600 V, AWG 12		24 A, 600 V, AWG 12	
Module slots		1		1		1		1		1	
Socket	Pin	1417373	1417372	1423962	1423961	1414369	1414368	1414367	1414366	1414371	1414370
		20									
Connection		Crimp CK 2,5									
IEC rated data		16 A, 500 V, 4 mm ²									
UL rated data		17,5 A, 600 V, AWG 12									
Module slots		2									
Socket	Pin	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, 2,5 mm ²		10 A, 250 V, 2,5 mm ²		10 A, 160 V, 2,5 mm ²		5 A, 50 V, 0,5 mm ²	
UL rated data				16 A, 600 V, AWG 14		14 A, 600 V, AWG 14		5 A, 30 V, AWG 20	
Module slots		1		1		1		1	
Socket	Pin	1424228	1424246	1414355	1414354	1414357	1414356	1414375	1414374

DATA		9		2		Number of positions 8		4		4	
Connection		Crimp D-SUB		Screw		Crimp D-SUB		Coax crimp		Coax crimp contacts	
Data transmission rate				12 Mbps PROFIBUS		Cat. 6 _A , 10 Gbps				≤2 GHz	
IEC rated data		5 A, 50 V, 0.5 mm ²		5 A, 50 V, 0.5 mm ²		5 A, 50 V, 0.5 mm ²				75 Ω 50 Ω	
UL rated data		5 A, 30 V, AWG 20		5 A, 30 V, AWG 20		5 A, 30 V, AWG 20				B. / Pc. B. / Pc.	
Module slots		1		1		1		1		1686245 1676815	
Socket	Pin	1417308	1417309	1417307	1423723	1417303	1417302	1417370	1417371	1686258	1676802
				8		4		1		1	
Connection		EMC		Crimp D-SUB		Crimp CK 1,6		Crimp CK 1,6		Crimp CK 2,5	
Data transmission rate				Cat. 5(e), 100 Mbps		Cat. 5(e), 100 Mbps		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		16 A, 50 V	
UL rated data				5 A, 30 V, AWG 20		10 A, 30 V, AWG 16		10 A, 30 V		16 A, 30 V	
Module slots		2		1		1		1		1	
Socket	Pin	1417376	1417374	1066080	1066082	1636091	1636088	1066961	1066962	1066959	1066960
Connection		RJ45 gender changer		RJ45, crimp		RJ Industrial, IDC		RJ Industrial, IDC		RJ Industrial, IDC	
Data transmission rate		10 Gbps, 500 MHz		10 Gbps, 500 MHz				1 Gbps, 100 MHz		1 Gbps, 100 MHz	
Description		Cat. 6 _A		Cat. 6 _A		For RJ Industrial, IDC		Cat. 5(e)		Cat. 5(e)	
Module slots		1		1		1		AWG 26-24		AWG 23-22	
Socket		1419886		1419887		1419888		1421608		1421129	
Connection				RJ45 patch cable		RJ45 patch cable		RJ45 patch cable		RJ45 patch cable	
Data transmission rate				10 Gbps, 500 MHz		1 Gbps, 250 MHz		1 Gbps, 100 MHz			
Description		For RJ45 patch cable		Cat. 6 _A patch cable		Cat. 6 patch cable		Cat. 5(e) patch cable			
Module slots		1									
Socket	Pin	1419885		1413160*		2891385*		2832276*			

Pneumatics		2		Number of positions 3		3		3		Dummy module	
Hose inner Ø		6 mm		6 mm		1.6 mm		1.6 mm 3 mm 4 mm			
Module slots		1				1				1	
Pin				1676750				1663488 1663491 1663501			
Socket without valve		1417434		1676763		1417433		1663514 1663527 1663530		1414353	
Socket with valve				1676776				1663543 1663556 1663569			

* Length: 1 m. You will find further cable lengths in the accessories section for module 1419885 in our E-Shop.

Snap-in frames for modular contact inserts

	Module slots	Housing size	Dimensions		Type	Order No.
			a (mm)	b (mm)		
Module carrier frame with side latch springs						
	For sleeve housing (A, B, C, etc.)					
	2	B06	44.0	51.0	HC-M-B06-MF-...	1417403
	3	B10	57.0	64.0	HC-M-B10-MF-...	1417404
	4	B16	77.5	84.5	HC-M-B16-MF-...	1417405
	6	B24	104.0	111.0	HC-M-B24-MF-...	1417406
	For panel mounting bases, surface mounting housings, and coupling housings (a, b, c, etc.)					
	2	B06	44.0	51.0	HC-M-B06-MF-...	1417398
	3	B10	57.0	64.0	HC-M-B10-MF-...	1417399
	4	B16	77.5	84.5	HC-M-B16-MF-...	1417400
	6	B24	104.0	111.0	HC-M-B24-MF-...	1417402

EVO M1 single-module housings and accessories

	Module slots	Size	Locking	Type	Order No.
EVO M1 housings for one modular contact insert					
	Sleeve housing				
	1	M1	For single locking latch	HC-EVO-M1-HHFS-PLBK	1424436
Panel mounting bases					
1	M1	With single locking latch	HC-EVO-M1-BWS-PLRBK	1424437	

	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

	Cable Ø in mm	Thread	Plastic
Standard cable glands			
	6 ... 12	M20	1411133
	10 ... 14	M20	1424481
	11 ... 17	M25	1411134
	13 ... 18	M25	1424482
	15 ... 21	M32	1411136
	18 ... 25	M32	1424483
	6 ... 12	PG13.5	1424498
	10 ... 14	PG16	1424499
	13 ... 18	PG21	1424500
	18 ... 25	PG29	1424501

Mounting the EVO M1 single-module housing

 Web code: #1850



Single-module housing

The EVO M1 housing has space for one modular contact insert.



Assemble the sleeve housing

Push the cable gland and sleeve housing onto the cable.



Insert the contact insert

The assembled contact insert can only be inserted in one direction. Incorrect plugging is therefore ruled out.



Attach the contact insert

Screw in the contact insert using the screws provided.



Assemble the panel mounting base

Insert the contact insert into the panel mounting base.



Attach the contact insert

Screw in the contact insert using the screws provided.



Attach the flat gasket

Position the flat gasket on the panel mounting base and secure it.



Plug the sleeve housing

Plug the sleeve housing into the panel mounting base and close using the locking latch.



Flexible cable outlet

Position the cable gland in the desired direction and secure it.

Crimp contacts

 Web code: #1934

	For cross section (mm ²)	AWG	Silver		Pin lagging	Gold	
			Socket	Pin		Socket	Pin
CK1.6-ER, punched, single							
	0.34	22	1004362	1004360			
	0.50	20					
	0.75	18					
	1.00	18					
	1.50	16	1004366	1004365			
	2.50	14					
CK1.6-BR, punched, taped products							
	0.34	22	1004381	1004380			
	0.50	20					
	0.75	18					
	1.00	18					
	1.50	16	1004383	1004382			
	2.50	14					
CK1.6-ED, turned							
	0.14 – 0.37	26 – 22	1663394	1663336		1674969	1674901
	0.50	20	1663404	1663349		1674480	1672453
	0.75	18	1663417	1663352		1672440	1674914
	1.00	18	1663420	1663365		1674943	1674888
	1.50	16	1663433	1663378		1674930	1674875
	2.50	14	1663446	1663381		1674985	1674927
CK2.5-ED, turned							
	0.50	20	1663640	1663572		1674859	1674804
	0.75	18	1663653	1663585			
	0.75 – 1.00	18	1663666	1663598	1663857	1674833	1674781
	1.50	16	1663679	1663608	1663860	1674820	1674778
	2.50	14	1663682	1663611	1663873	1674862	1674817
	4.00	12	1663705	1663637		1674846	1674794
CK4.0-ED, turned							
	1.50	16	1663271	1663239			
	2.50	14	1663284	1663242			
	4.00	12	1663297	1663255			
	6.00	10	1663307	1663268			
	10.00	8	1586183	1586198			
D-SUB							
	0.08 – 0.2	28 – 24				1418787	1418784
	0.2 – 0.5	24 – 20				1418788	1418786

Professional crimping tool With positioning aid		Basic crimping tool Without positioning aid		Dies	Removal tool
Tool for CK1.6-ER					
1069228					
					
Tool for CK1.6-ER taped products					
Order No.* 20.2001- 1004380/4381		Kolb* offers a tool for the automatic processing of these contacts on crimping devices.			
20.2001- 1004382/4383					
Tool for CK1.6-ED					
1212113					1884869
					
Tool for CK2.5-ED					
1212113		1212072	1212075		1662722
					
Tool for CK4.0-ED					
1212113		1212072	1212075		1662735
1212114			1212076		
Tool for D-SUB					
1212510			Positioning tool 1045123		1658794
					

* Supplier: U. Kolb GmbH, Neuer Weg 32, 71111 Waldenbuch, Germany, Telephone: +49 7151 7371-0, E-mail: info@u-kolb-gmbh.de, www.u-kolb-gmbh.de

STA and EVO metal housings B for double locking latch

	Height	Thread	Metric				Thread	PG			
			B10	B16	B24	B32		B10	B16	B24	B32
STANDARD sleeve housing for double locking latch											
	Straight Low	1x M20	1412620				PG13.5				
		1x M25	1412621	1412721	1412778		PG16	1412622	1412723	1412780	
		1x M32		1412722	1412779		PG21	1412623	1412724	1412781	
	Straight High*	1x M25	1412596				PG21	1412598	1412669	1412755	
		1x M32	1412597	1412653	1412754	1424830	PG29	1412599	1412678	1412756	1424827
		1x M40		1412654	1412099	1424831	PG36				1424828
		1x M50				1424832	PG42				1424829
	Side Low	1x M20	1412616				PG13.5				
		1x M25	1412617	1412717	1412773		PG16	1412618	1412719	1412775	
		1x M32		1412718	1412774		PG21	1412619	1412720	1412776	
	Side High*	1x M25	1412592				PG21	1412594	1412651	1412752	
		1x M32	1412593	1412649	1412750	1424836	PG29	1412595	1412652	1412753	1424833
		1x M40		1412650	1412751	1424837	PG36				1424834
		1x M50				1424838	PG42				1424835
EVO sleeve housing for double locking latch											
	Low		1411455					1411455			
	High*		1411451	1411460	1411472			1411451	1411460	1411472	
Panel mounting base with double locking latch											
	Without cover		1411322	1411327	1411331	1424845		1411322	1411327	1411331	1424845
Surface mounting housing with double locking latch											
	Without cover	1x/2x M20	1412835				1x/2x PG16	1412837			
		1x/2x M25	1412836	1412855	1412873		1x/2x PG21		1412857	1412875	
		1x/2x M32		1412856	1412874	1424848	1x/2x PG29				1424846
		1x/2x M40				1424849	1x/2x PG36				1424847
Coupling housing with double locking latch											
	High	1x M20	1412578				1x PG16	1412581			
		1x M25	1412579	1412641			1x PG21	1412582	1412643	1412744	
		1x M32	1412580	1412642	1412742	1424842	1x PG29	1412583	1412644	1412745	1424839
		1x M40			1412743	1424843	1x PG36				1424840
		1x M50				1424844	1x PG42				1424841

*For modular and fixed contact inserts with a high number of positions.

STA and EVO metal housings B for single locking latch

 Web code: #1954

	Height	Thread	Metric					Thread	PG				
			B06	B10	B16	B24	B48		B06	B10	B16	B24	B48
STANDARD sleeve housing for single locking latch													
	Straight Low	1x M20	1412574	1412629				PG13.5	1412576				
		1x M25	1412575	1412630	1412729	1412788		PG16	1412577	1412631	1412731	1412790	
		1x M32			1412730	1412789		PG21		1412632	1412732	1412791	
	Straight High*	1x M25	1412566	1412604				PG21	1412568	1412606	1412701	1412762	
		1x M32	1412567	1412605	1412689	1412761	1424854	PG29	1412569	1412607	1412702	1412763	1424851
		1x M40			1412700	1412098	1424855	PG36					1424852
		1x M50					1424856	PG42					1424853
	Side Low	1x M20	1412570	1412624				PG13.5	1412572				
		1x M25	1412571	1412625	1412725	1412783		PG16	1412573	1412627	1412727	1412785	
		1x M32			1412726	1412784		PG21		1412628	1412728	1412786	
	Side High*	1x M25	1412562	1412600				PG21	1412564	1412602	1412683	1412759	
		1x M32	1412563	1412601	1412679	1412757	1424860	PG29	1412565	1412603	1412684	1412760	1424857
		1x M40			1412682	1412758	1424861	PG36					1424858
		1x M50					1424862	PG42					1424859
EVO sleeve housing for single locking latch													
	Low		1411448	1411456					1411448	1411456			
	High*		1411447	1411453	1411461	1411473			1411447	1411453	1411461	1411473	
Panel mounting base 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 housing with single locking latch													
	Without cover	1x/2x M20	1412821	1412839				1x/2x PG16	1412823	1412842			
		1x/2x M25	1412822	1412840	1412861	1412877		1x/2x PG21			1412863	1412879	
		1x/2x M32			1412862	1412878	1424867	1x/2x PG29					1424865
		1x/2x M40					1424868	1x/2x PG36					1424866
	With cover	1x/2x M20	1412825	1412844				1x/2x PG16	1412827	1412846			
		1x/2x M25	1412826	1412845	1412865	1412881		1x/2x PG21			1412867	1412883	
		1x/2x M32			1412866	1412882	1424873	1x/2x PG29					1424869
		1x/2x M40					1424874	1x/2x PG36					1424872
Coupling housing for single locking latch													
	High*	1x M20	1412555	1412584				1x PG16		1412587			
		1x M25	1412556	1412585	1412645			1x PG21	1412559	1412588	1412647	1412748	
		1x M32	1412557	1412586	1412646	1412746		1x PG29	1412560	1412589	1412648	1412749	
		1x M40				1412747		1x PG36					
		1x M50						1x PG42					

*For modular and fixed contact inserts with a high number of positions.

	Height	Thread	Metric			Thread	PG		
			B10	B16	B24		B10	B16	B24
STANDARD sleeve housing with double locking latch									
	Straight Low	1x M20	1412637			PG16	1412639	1412740	1412801
		1x M25	1412638	1412738	1412799	PG21	1412640	1412741	1412802
		1x M32		1412739	1412800	PG29			1412803
	Straight High*	1x M25	1412612			PG21	1412614	1412715	1412771
		1x M32	1412613	1412708	1412769	PG29	1412615	1412716	1412772
		1x M40		1412709	1412770				
	Side Low	1x M20	1412633			PG16	1412635	1412735	1412796
		1x M25	1412634	1412733	1412793	PG21	1412636	1412737	1412797
		1x M32		1412734	1412795	PG29			
	Side High*	1x M25	1412608			PG21	1412610	1412705	1412767
		1x M32	1412609	1412703	1412764	PG29	1412611	1412706	1412768
		1x M40		1412704	1412766				
EVO sleeve housing with double locking latch									
	Low		1411457				1411457		
	High*		1411454	1411462	1411474		1411454	1411462	1411474
Panel mounting base for double locking latch									
	With cover		1411323	1411328	1411332		1411323	1411328	1411332
Surface mounting housing for double locking latch									
	With cover	1x/2x M20	1412830			1x/2x PG16	1412832	1412852	
		1x/2x M25	1412831	1412849	1412869	1x/2x PG21		1412853	1412871
		1x/2x M32		1412850	1412870	1x/2x PG29			

*For modular and fixed contact inserts with a high number of positions.

Technical data		
		
Product	HEAVYCON STANDARD	HEAVYCON EVO metal housing
Housing material	Cast aluminum, corrosion resistant	Cast aluminum, corrosion resistant
Surface material	Conductive	Conductive
Lock material	Polyamide	Polyamide
Seal material	NBR, conductive	NBR, conductive
Ambient temperature (operation)	-40°C ... +125°C	-40°C ... +125°C
Degree of protection (when plugged in)	IP66/IP67 NEMA 4X	IP66/IP67 NEMA 4X

Mounting the EVO housing



Assemble the sleeve housing

Push the cable gland and sleeve housing onto the cable.



Insert the contact insert

Connect the pre-assembled contact insert to the panel mounting side and screw it tight.



Attach the flat gasket

Position the flat gasket on the panel mounting base and mount it on the control cabinet panel.



Insert the contact insert

Connect the contact insert to the panel mounting side and screw it tight.



Attach sleeve housing

Plug the corresponding sleeve housing into the panel mounting base.



Locking latch

Close the locking latch.



Straight cable outlet

The cable outlet direction can also be changed on site.



Turn the cable gland

Loosen nut and turn the cable gland.



Lateral cable outlet

Position the cable gland in the desired direction and secure it.

EVO plastic housing B for double locking latch

	Height	Thread	Metric		
			B10	B16	B24
Sleeve housing for double locking latch					
	Low		1407628	1420932	1420935
	High		1407629	1407643	1407657
Sleeve housing for double locking latch with two cable outlets					
	High		1411495	1411496	1411497
Panel mounting base with double locking latch					
	Without cover		1407634	1407648	1407661
Surface mounting housing with double locking latch					
	High Without cover	1x/2x M20	1421356		
		1x/2x M25	1421304	1421455	1421461
		1x/2x M32	1407638	1421365	1421370
		1x/2x M40		1407652	1407665
Coupling housing with double locking latch					
	High		1407641	1407655	1407668

EVO plastic housing B with double locking latch

Sleeve housing with double locking latch					
	Low		1407630	1420933	1420936
	High		1407631	1407644	1407658
Panel mounting base for double locking latch					
	With cover		1407635	1407649	1407662
Surface mounting housing for double locking latch					
	High With cover	1x/2x M20	1421362		
		1x/2x M25	1421320	1421458	1421462
		1x/2x M32	1407639	1421366	1421380
		1x/2x M40		1407653	1407666

EVO plastic housing B for single locking latch

 Web code: #1950

	Height	Thread	Metric			
			B06	B10	B16	B24
Sleeve housing for single locking latch						
	Low		1407619	1407626	1420931	1420934
	High		1407620	1407627	1407642	1407656
Sleeve housing for single locking latch with two cable outlets						
	High		1420930			
Panel mounting base with single locking latch						
	Without cover		1407621	1407632	1407646	1407659
	With cover		1407622	1407633	1407647	1407660
Surface mounting housing with single locking latch						
	High Without cover	1x/2x M20	1421322	1421354		
		1x/2x M25	1421229	1421277	1421381	1421459
		1x/2x M32	1407623	1407636	1421363	1421367
		1x/2x M40			1407650	1407663
	High With cover	1x/2x M20	1421329	1421355		
		1x/2x M25	1421244	1421301	1421382	1421460
		1x/2x M32	1407624	1407637	1421364	1421369
		1x/2x M40			1407651	1407664
Coupling housing with single locking latch						
	High		1407625	1407640	1407654	1407667

Technical data

	
Product	HEAVYCON EVO plastic housings
Housing material	Polyamide
Surface material	
Lock material	Polyamide
Seal material	NBR
Ambient temperature (operation)	-40°C ... +125°C
Degree of protection (when plugged in)	IP66 NEMA 12

	Material	Height	Thread	Metric			
				B06	B10	B16	B24
Sleeve housing with screw locking							
	Plastic	Straight High	1x M20	1404222			
			1x M25	1404225	1404227		
			1x M32		1404229	1404231	1404235
			1x M40			1404233	1404238
		Side High	1x M20	1404224			
			1x M25	1404226	1404228		
			1x M32		1404230	1404232	1404237
			1x M40			1404234	1404239
	Metal (aluminum)	Straight Low	1x M20	1413362	1413388		
			1x M25	1413364	1413390	1414975	1414982
		Straight High*	1x M25	1413374	1413400	1414977	1414980
			1x M32	1413376	1413402	1413416	1413430
Side Low		1x M20	1413363	1413389			
		1x M25	1413365	1413391	1414976	1414983	
Side High*		1x M25	1413375	1413401	1414978	1414981	
		1x M32	1413377	1413403	1413417	1413431	
		1x M40			1413419	1413433	
	For extreme applications	Straight Low	1x M20	1420904	1420912		
			1x M25	1420905	1420913	1420921	1420929
		Straight High*	1x M25	1420900	1420908	1420917	1420925
			1x M32	1420901	1420909	1420918	1420926
Side Low		1x M40			1420919	1420927	
		1x M20	1420902	1420910			
Side High*		1x M25	1420903	1420911	1420920	1420928	
		1x M25	1420898	1420906	1420914	1420922	
		1x M32	1420899	1420907	1420915	1420923	
		1x M40			1420916	1420924	
Panel mounting flange							
		Single, without screws		1686533	1686533	1686533	1686533
		Set of 2 with screws		1604638	1604638	1604638	1604638
Cover							
	Plastic	For panel mounting side (IP66)		1411494	1411504	1411517	1411520
		For sleeve side (IP50)		1690736	1690749	1690752	1690765
Sleeve housing without threaded drill hole							
	Metal (aluminum)	Low		1420048	1420051	1420053	1420055
		High		1420050	1420052	1420054	1420056

*For modular and fixed contact inserts with a high number of positions.

	Height	Thread	Metric			
			B06	B10	B16	B24
Sleeve housing with screw locking						
	Straight High	1x M20	1411879			
		1x M25	1411106	1411882		
		1x M32		1411067	1411059	1411888
		1x M40			1411885	1411062
	Side High	1x M20	1411878			
		1x M25	1411119	1411881		
		1x M32		1411070	1411058	1411887
		1x M40			1411884	1411061
Panel mounting base for screw locking						
	Without cover		1411122	1411083	1411060	1411055
	With cover					
Surface mounting housing for screw locking						
	Without cover	2x M20	1411880			
		2x M25	1411135	1411883		
		2x M32		1411096	1411054	1411889
		2x M40			1411886	1411063
Cover with screw locking						
	For panel mounting side		1418441	1418444	1418445	1418446
	For sleeve housing side					

Technical data

			
Product	HEAVYCON ADVANCE plastic housings	HEAVYCON ADVANCE metal housing	HEAVYCON ADVANCE extreme applications
Housing material	Polyamide	Die cast aluminum, corrosion-resistant	Die cast aluminum, corrosion-resistant
Surface material		Conductive	Powder-coated, black
Lock material	Stainless steel	Stainless steel	Stainless steel
Seal material	NBR	NBR, conductive	Viton
Ambient temperature (operation)	-40°C ... +100°C	-40°C ... +125°C	-40°C ... +125°C
Degree of protection (when plugged in)	IP66/IP67 NEMA 12	IP66/IP68/IP69K NEMA 4X	IP66/IP68/IP69K NEMA 4X

Cable glands

			Plastic				
							
Thread	Cable diameter (mm)		Black	EVO B series bayonet locking	EVO B series thread adapter	Conduit adapter	Conduit adapter with strain relief
	Min.	Max.					
M20	6	12	1411133		1414243	3240898	3240954
	7	13		1407669			
	9	17					
	10	14	1424481				
	11	16					
M25	10	14			1414244	3240899	3240955
	11	16		1407670			
	11	17	1411134				
	13	18	1424482				
	14	21					
M32	13	18			1414245	3240900	3240956
	14	21		1407671			
	15	21	1411136				
	18	25	1424483				
	19	27					
M40	18	25			1414246	3240901	3240957
	19	27		1407672			
	19	28	1411137				
	27	34					
M50	22	32					
	24	35					
	27	38					
	30	36	1411138				

PG11	5	10	1424497			3240890	3240946
PG13.5	6	12	1424498		1414247		
PG16	10	14	1424499		1414248	3240891	3240947
PG21	13	18	1424500		1414249	3240892	3240948
PG29	18	25	1424501		1414250	3240893	3240949
PG36	22	32	1424502			3240894	3240950
PG42	30	38	1424503				

Plastic		Metal					
			 		 		
Bending protection	Strain relief	Nickel-plated brass	EMC	EVO B series bayonet locking	EVO B series EMC bayonet locking	EVO thread adapter	Conduit adapter
1415179	1415189	1411163				1414256	3241033
			1411189	1411442	1411439		
		1645998					
1415180	1415190	1424527				1414257	3241034
			1411190	1411443	1411446		
		1411165					
		1646007					
1415181	1415191	1424528				1414258	3241035
			1411191	1411444	1411440		
		1411166					
		1646010					
		1424529				1414259	3241036
			1411192	1411445	1411441		
		1411167					
		1607729					
		1424530					
			1411193				
		1411168					

		1411172	1411197				3241025
		1411173	1411198			1414260	
		1411174	1411199			1414261	3241026
		1411175	1411200			1414262	3241027
		1411176	1411201			1414263	3241028
		1411178	1411202				3241029
		1411179	1411203				

Protective covers

 Web code: #1953

	Material	Size									
		D15	D25	D50	M1	B06	B10	B16	B24	B32	B48
Protective cover for sleeve housing with single locking latch											
	Plastic					1414634	1414635	1414636	1414637		
	Metal					1644546	1584512	1584525	1584538		
Protective cover for panel mounting bases, surface mounting housings, and coupling housings for single locking latch											
	Plastic	1424374	1424401			1414623	1414625	1414626	1414627		
	Metal					1644559	1644562	1644588	1644601		
Protective cover for sleeve housings with double locking latch											
	Plastic						1414638	1414639	1414640		
	Metal						1584541	1584554	1584567		
Protective cover for panel mounting bases, surface mounting housings, and coupling housings for double locking latch											
	Plastic			1424417			1414628	1414629	1414630	1424850	
	Metal						1644575	1644591	1644614		
Protective cover for sleeve housings for double locking latch											
	Plastic						1414631	1414632	1414633		
	Metal						1647750	1647763	1647776		
Transparent cover for transporting sleeve housings, panel mounting bases, surface mounting housings, and coupling housings											
	Plastic					1421100	1421101	1421102	1421103		

Further 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](#)

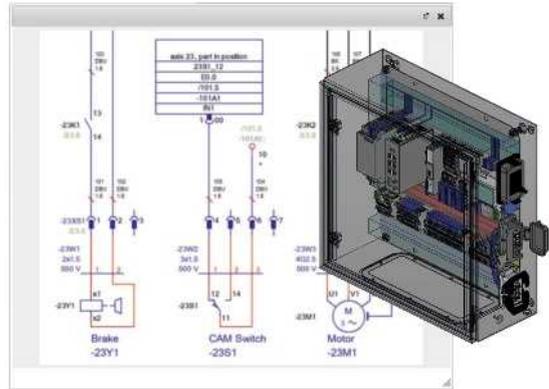
You will find our wide range of crimping tool and ferrule products under:

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 / EPLAN-P8-Data Manager. You will receive the product data in XML format for import into the product management system, product photos, 3D models, and macros. Naturally, 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 sleeves can be mounted and replaced quickly. The cable sleeves 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 frame

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](#)



From the initial idea to the tailor-made solution

Your special applications also require special solutions. The Service Center for industrial connectors from Phoenix Contact caters to your requirements, from a small customization to a completely new product development. You can count on us: we will work with you at every stage of the project to develop your custom cabling solution. With our extensive technology and product expertise, we transform your requirements into a tailor-made product in just a few days.

Your advantages

- ✓ Tailor-made cabling for your individual requirements
- ✓ Plug and Play: fast mounting and startup, thanks to pre-assembled cabling solutions
- ✓ Less storage space required, thanks to customized connector sets
- ✓ 100% electrically tested components and UL certified cable assemblies

Our range of services for your individual cabling

Modified cable outlets

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



Customized sets

Should you always need 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 as brand labeling.



