HEAVYCON complete heavy-duty connectors

Compatible insertion – flexible combinations

PHOENIX CONTACT
INSPIRING INNOVATIONS

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 stresses and are tight up to IP69 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

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

Find out more with the web code

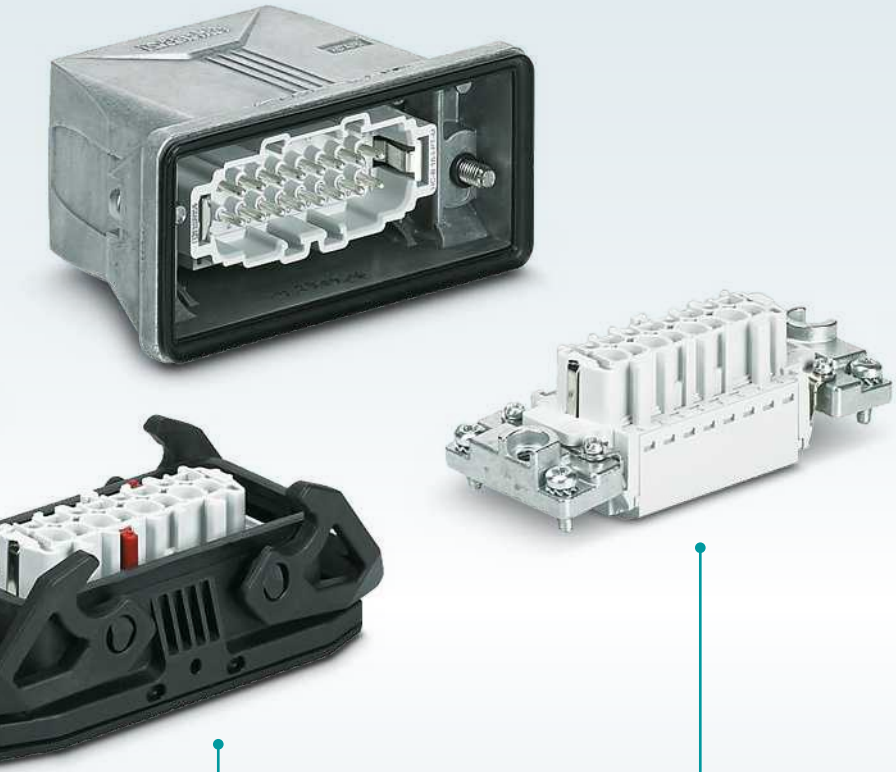
For detailed information, use the web codes provided in this brochure. Simply enter the # and the four-digit number in the search field on our website.

Web code: #1234 (example)

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

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 bayonet lock of the EVO series enables you to adjust the cable outlet direction flexibly 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 due to the direct screw locking mechanism without panel mounting base.

- Ideal for increased environmental requirements, thanks to high degree of protection
- Cost advantage with direct mounting
- Mounting compatible
- IP68/IP69

Contents

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 place your order 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

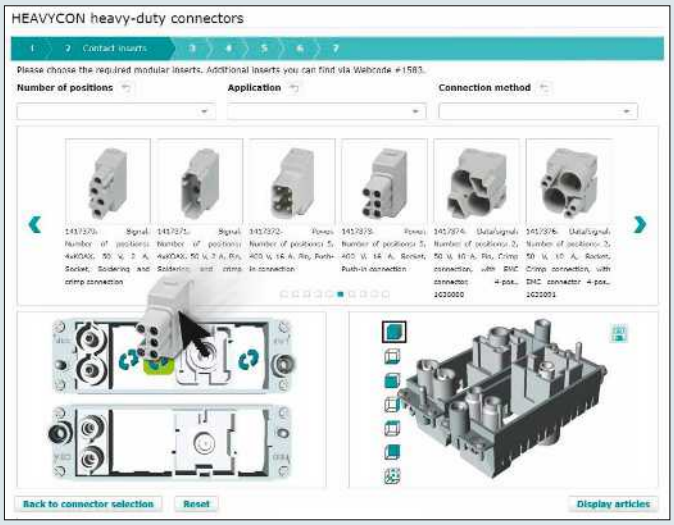
Online configurator for heavy-duty connectors

Image representations simplify selection

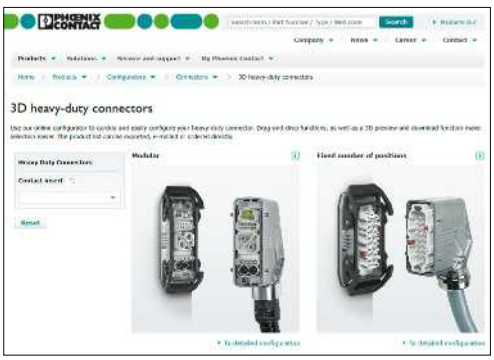
Simply drag the components to the desired position using the drag-and-drop function, and the configurator automatically updates the preview.

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

Web code: #1708

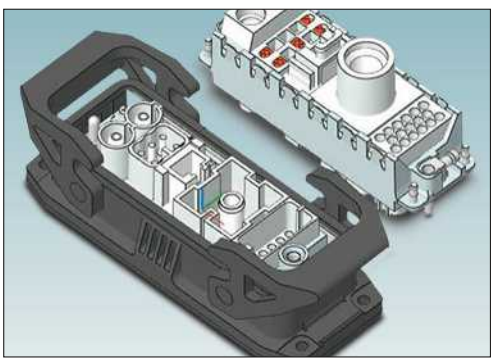


The desired connector in just a few steps

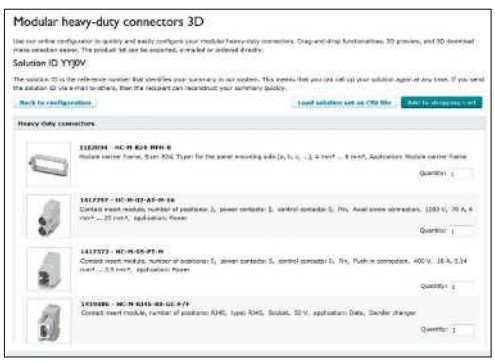


1. Select connector type
First of all, state the connector type.
HEAVYCON complete features housings, contact inserts with a fixed number of positions, and modular contact inserts for all applications.

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 screw connection.



3. Download the CAD data
Integrate the fully configured solution into your CAD system.



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.

Multiple cables and lines are connected using connectors in wind turbines, for example. The interfaces must be resistant to corrosion, robust and as lightweight as possible.

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

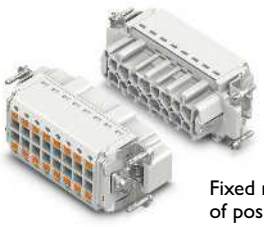
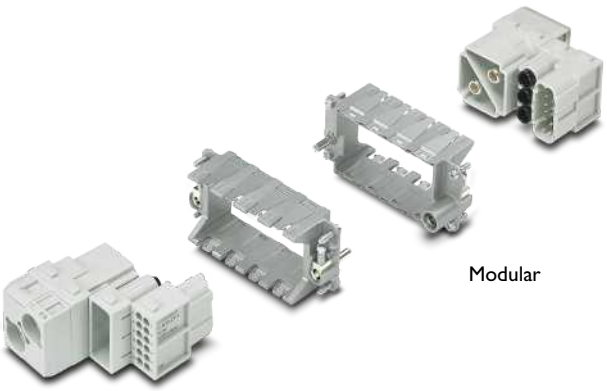
The HEAVYCON complete product range

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
Sleeve housings 		
Contact inserts  Fixed number of positions	 Modular	
Panel mounting bases  		**Panel mounting flanges** 

HEAVYCON STANDARD – proven versatility

The HEAVYCON STANDARD metal housings are made of particularly corrosion-resistant and conductive die-cast aluminum and are also suitable for EMC applications. They can withstand vibrations and high mechanical stresses and are reliably sealed up to IP66/IP67 degree of protection.

Different sizes along with a broad range of sleeve and base housings with various cable outlet directions and locking mechanisms ensure the right interface for all applications.

Web code: #0517

Compact housing versions

The compact design of the HEAVYCON COM housings enables easy and reliable cabling of distributed stations in automation technology.

Space-saving 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.

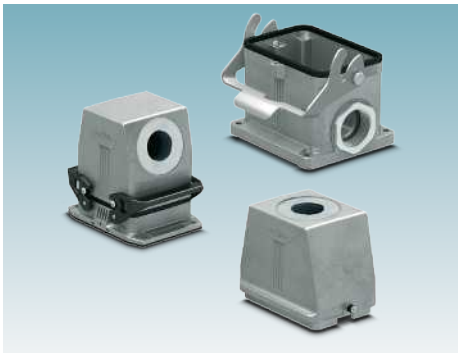
Narrow housing designs

The housings in the sizes D15, D25, and D50 now also protect your interfaces with a very narrow design. Push-in contact inserts ensure fast installation.

EMC ready

Proven product range

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



Extra large housings

These B32 and B48 sizes accommodate two contact inserts side by side. They are thus particularly suitable for high-position supply lines.

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.

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.

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 standard sleeve housings. Thanks to the angled outlet, both outlet directions can be used conveniently.

The EVO housings are secure and reliable: they are shock-proof up to IK09 and satisfy the requirements of the IP66/IP67 degrees of protection.

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.

EMC ready

Flexible connection in moments

The cable gland, which is separate from the housing, is securely locked in place in moments without the need for special tools using the bayonet lock.

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.

HEAVYCON ADVANCE – robust without compromise

HEAVYCON ADVANCE heavy-duty connectors with screw locking mechanism are ideally suited for particularly aggressive surroundings, e.g. in offshore areas, or 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 mechanism

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

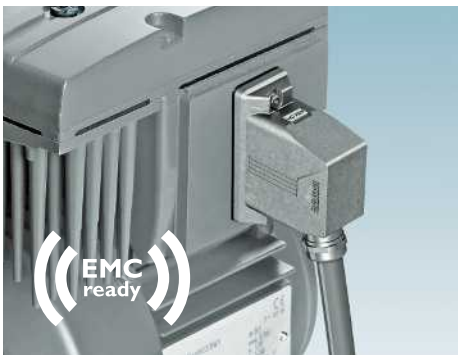
With HEAVYCON ADVANCE, you eliminate the need for the normal panel mounting base on the device side. The housings are therefore particularly durable, robust, and save space.

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 in 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°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.

Web code: #0516

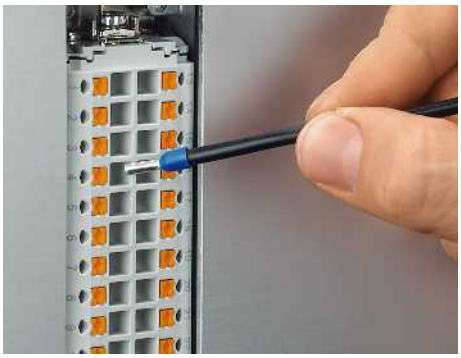
Push-in Technology

Designed by PHOENIX CONTACT

Easily connect, code, and mount contact inserts

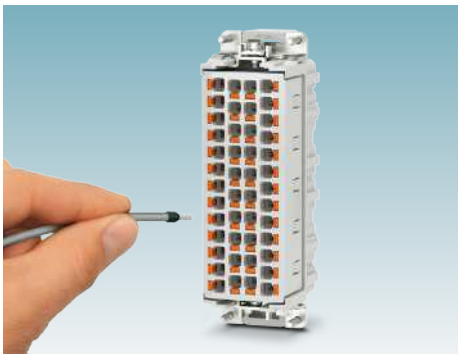
User-friendly Push-in connection

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



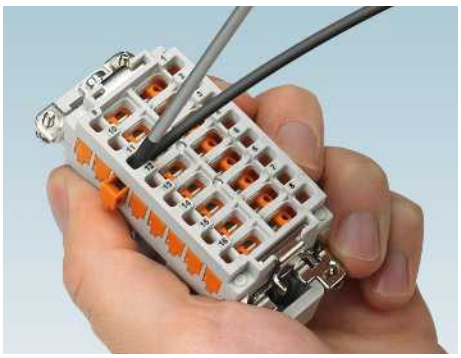
Easy installation

You can connect contact inserts with Push-in connection technology quickly and easily – even when already installed.



High-position applications

With high-position Push-in contact inserts, you can easily connect up to 46 signal contacts in one B24 connector.



Fast QUICKON connection

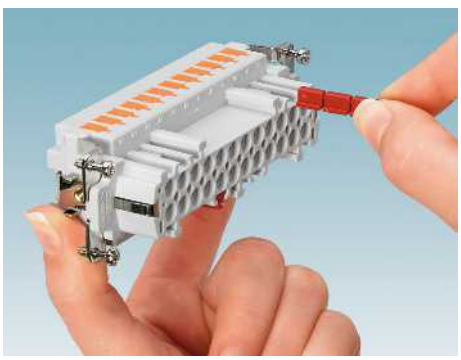
Reduce wiring times by up to 60%. With the QUICKON connection, you can connect flexible and rigid conductors without preparation work.

Compact crimp connection

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

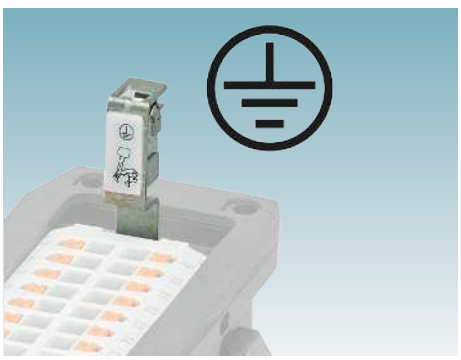
Universal screw connection

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.



Reliable grounding

PE adapters with Push-in connection enable easy, tool-free wiring of the protective conductor through direct plugging.

Two conductors on one potential

TWIN modules with double conductor connection provide a space-saving bridging function for potential distribution in the connector.

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 comprises 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. It fits into all HEAVYCON B series housings.

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 contacting

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

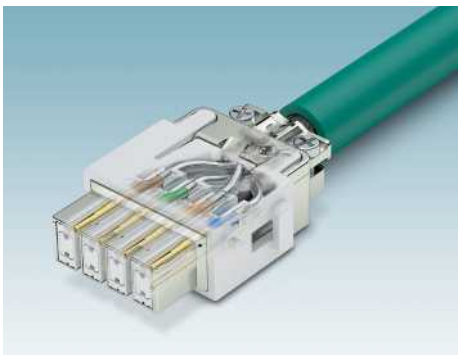
Push-in Technology

Designed by PHOENIX CONTACT

The right connector for every application with a comprehensive range of contact inserts. The modules and frames are compatible with the market standard.

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.

For high packing density

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

System cross-reference list: HEAVYCON housings and contact inserts

Compact connectors										
										
Housing size	**D07**									
Contact insert series	**A**		**D**		**Q**					
Number of positions	3	4	7	8	2	3	4	5	7	12
Connection methods										
PT = Push-in	PT									
UT = Screw	UT									
CT = Crimp			CT		CT					
Q = IDC/QUICKON	Q									
A = Axial screw					A					

Industry standard																
																
Housing size	**B16**	**B24**	**B32**	**B48**	**B06**	**B10**	**B16**	**B24**	**B32**	**B48**	**B06**	**B10**	**B16**	**B24**	**B32**	**B48**
Contact insert series	**D**				**DD**						**B**					
Number of positions	40	64	2 x 40	2 x 64	24	42	72	108	2 x 72	2 x 108	6	10	16	24	2 x 16	2 x 24
Connection methods																
PT = Push-in											PT					
UT = Screw											UT					
CT = Crimp	CT				CT						CT					
Q = IDC/QUICKON											Q					
A = Axial screw																
P = Pneumatic																

							
D15	**D25**	**D50**	**D15**	**D25**	**D50**	**COM**	
A			**D**			**COM**	
10	16	2 x 16	15	25	2 x 25	4	8
PT							PT
UT							
CT			CT			CT	
						A	

																
B06	**B10**	**B16**	**B24**	**B32**	**B48**	**B16**	**B24**	**B32**	**B48**	**B10**	**B16**	**B24**	**B16**	**B32**	**B6 - B48**	**M1**
BB						**BBB**				**HV**			**HS**		**M**	
10	18	32	46	2 x 32	2 x 46	40	64	2 x 40	2 x 64	3 + 2	6 + 2	10 + 2	6	2 x 6	Variable	
PT										PT			PT		PT	
													UT			
CT						CT				CT					CT	
															A	
															P	

Contact inserts for D7 housings

Web code: #0586

	Connection	Connection cross section IEC // UL	Rated current IEC // UL	Rated voltage IEC // UL	Version		
A series						**Number of positions**	
						3	**4**
	Push-in (PT)	0.14 mm² … 1.5 mm² AWG 16	16 A // 17.5 A	230/400 V // 600 V	Female	1585265	1585281
					Male	1585252	1585278
	Screw (UT)	0.14 mm² … 2.5 mm² AWG 14	16 A // 24 A	230/400 V // 600 V	Female	1585223	1585249
					Male	1585210	1585236
D series						**Number of positions**	
						7	**8**
	Crimp CK 1,6 (CT)	0.14 mm² … 2.5 mm² AWG 14	10 A // 12 A	50 V // 30 V	Female		1584363
					Male		1584350
	Crimp CK 1,6 (CT)	0.14 mm² … 2.5 mm² AWG 14	10 A // 12 A	250 V // 600 V	Female	1584347*	
					Male	1584334*	
Q series						**Number of positions**	
						2	**3**
	Crimp CK 4,0 (CT)	1.5 mm² … 6.0 mm²	40 A // 50 A	400 V // 600 V	Female	1419895	1419897
					Male	1419893	1419896
						4	
	Crimp CK 4,0 (CT)	1.5 mm² … 6.0 mm²	40 A // 50 A	830 V // 600 V	Female	1419899*	
					Male	1419898*	
						5	
	Crimp CK 2,5 (CT)	0.5 mm² … 2.5 mm² AWG 14	20 A // 24 A	230/400 V // 600 V	Female	1406537	
					Male	1406538	
						7	
	Crimp CK 1,6 (CT)	0.14 mm² … 2.5 mm² AWG 14	12 A // 17.5 A	400 V // 600 V	Female	1418623	
					Male	1418624	
						12	
	Crimp CK 1,6 (CT)	0.14 mm² … 2.5 mm² 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 RJ-45 patch cables		Male	1077120	You can find suitable cables on the Item page in our e-shop
	RJ45 adapter		For RJ industrial inserts		Male	1077119	

* Only suitable for plastic housings.

For crimp contacts, see page 33 onwards.

STANDARD D7 housings

Web code: #0586

	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									
			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 44 onwards.

Contact inserts for D15, D25, D50 housings

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 mm² … 2.5 mm² AWG 14	16 A // 17 A	250 V // 600 V	Female	1585362	1585388	1585388
								1585401
					Male	1585359	1585375	1585375
								1585391
	Screw (UT)	0.14 mm² … 2.5 mm² AWG 14	16 A // 19 A	250 V // 600 V	Female	1585304	1585320	1585320
								1585346
					Male	1585294	1585317	1585317
								1585333
	Crimp CK 2,5 (CT)	0.5 mm² … 4.0 mm² AWG 12	16 A // 20 A	250 V // 600 V	Female	1676983	1677018	1677018
								1677050
					Male	1676996	1677034	1677034
								1677076
D series						Number of positions		
						15	25	2 x 25
	Crimp CK 1,6 (CT)	0.14 mm² … 2.5 mm² AWG 14	10 A // 10 A	250 V // 600 V	Female	1584389	1584402	1584402
								1584402
					Male	1584376	1584392	1584392
								1584392
							25 Z	
	Crimp CK 1,6 (CT)	0.14 mm² … 2.5 mm² AWG 14	10 A // 10 A	250 V // 600 V	Female		1411481	
					Male		1411478	

For crimp contacts, see page 33 onwards.

STANDARD and EVO housings D15, D25, D50

Web code: #1951

	Height	Thread	Plastic (IP66)		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 44 onwards.

Contact inserts for COM housings

Web code: #2158

	Connection	Connection cross section power // signal	Rated current power // signal	Rated voltage power // signal	Version	Number of pos.	
Compact series						4/2	8
	Axial screw (A)	0.5 mm² … 6 mm² // 0.34 mm² … 1.5 mm² AWG 10 // AWG 14	40 A // 10 A	400/690 V//250 V	Female	1079557	
					Male	1079558	
	Crimp CK 1 (CT)	0.5 mm² … 6 mm² // 0.34 mm² … 1.5 mm² AWG 10 // AWG 14	40 A // 10 A	400/690 V//250 V	Female	1079555	
					Male	1079556	
	Push-in (PT)	0.5 mm² … 2.5 mm² AWG 14	16 A	500 V	Female		1079553
					Male		1079554
	Crimp (CT)	0.5 mm² … 4 mm² AWG 10	16 A	500 V	Female		1079548
					Male		1079547

COM compact housings

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 page 33 onwards.
For suitable cable glands, see page 44 onwards.

Terminal adapters for B housings

Web code: #1935

	Connection	Connection cross section IEC // UL	Rated current IEC // UL	Rated voltage IEC // UL	Housing size				
					Version	B06	B10	B16	B24
B-A series						Number of positions			
						6	10	16	24
	Push-in (PT)	0.14 mm² … 2.5 mm² AWG 14	16 A // 13 A	500 V // 600 V	Female, PE left	1648351	1648393	1648432	1648474
					Female, PE right	1648377	1648416	1648458	1648490
					Male, PE left	1648364	1648403	1648445	1648487
					Male, PE right	1648380	1648429	1648461	1648500
	Screw (UT)	0.14 mm² … 2.5 mm² AWG 14	16 A // 13 A	500 V // 600 V	Female, PE left	1648018	1648030	1648042	1648054
					Female, PE right	1648066	1648078	1648090	1648102
					Male, PE left	1648024	1648036	1648048	1648060
					Male, PE right	1648072	1648084	1648096	1648108
D-A series						Number of positions			
								40	64
	Push-in (PT)	0.14 mm² … 2.5 mm² AWG 14	10 A // 10 A	250 V // 600 V	Female, PE left			1580147	1580189
					Female, PE right			1580163	1580202
					Male, PE left			1580150	1580192
					Male, PE right			1580176	1580215
	Screw (UT)				Female, PE left			1584253	1584295
					Female, PE right			1584279	1584321
					Male, PE left			1584240	1584282
					Male, PE right			1584266	1584318

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
B series						Number of positions					
						6	10	16	24	32	48
	Push-in (PT)	0.14 mm² … 2.5 mm² AWG 14	16 A // 13 A	500 V // 600 V	Female	1407727	1407729	1407731	1407735	1407731	1407735
										1407733	1407737
					Male	1407728	1407730	1407732	1407736	1407732	1407736
										1407734	1407738
	TWIN Push-in (TPT)	0.14 mm² … 1.5 mm² AWG 16	16 A // 14 A	500 V // 600 V	Female	1423016	1423018	1423020	1423022	1423020	1423022
										1423826	1423828
					Male	1423015	1423017	1423019	1423021	1423019	1423021
										1423825	1423827
	Screw (UT)	0.5 mm² … 2.5 mm² AWG 14	16 A // 16 A	500 V // 600 V	Female	1648128	1648186	1648241	1648306	1648241	1648306
										1584884	1584949
					Male	1648115	1648173	1648238	1648296	1648238	1648296
										1584871	1584936
	Crimp CK 2,5 (CT)	0.5 mm² … 4.0 mm² AWG 14	16 A // 13 A	500 V // 600 V	Female	1648160	1648225	1648283	1648348	1648283	1648348
										1584923	1584981
					Male	1648157	1648212	1648270	1648335	1648270	1648335
										1584910	1584978
	IDC (QT)	0.34 mm² … 2.5 mm² AWG 14	16 A // 10 A	500 V // 600 V	Female	1605556	1605569	1605572	1605585	1605572	1605585
										1605598	1605608
					Male	1605611	1605624	1605637	1605640	1605637	1605640
										1605653	1605666
BB series						Number of positions					
						10	18	32	46	64	92
	Push-in (PT)	0.5 mm² … 2.5 mm² 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 mm² … 4.0 mm² AWG 12	16 A // 20 A	500 V // 600 V	Female	1584703	1584729	1584745	1584758	1584745	1584758
										1406543	1406545
					Male	1584774	1584716	1584732	1584761	1584732	1584761
										1406544	1406546
BBB series						Number of positions					
								40	64	2x40	2x64
	Crimp CK 2,5 (CT)	0.5 mm² … 4.0 mm² AWG 12	16 A // 16 A	500 V // 600 V	Female			1409930	1409914	1409930	1409914
										1409930	1409914
					Male			1409921	1409901	1409921	1409901
										1409921	1409901

For crimp contacts, see page 33 onwards.

	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 mm² … 2.5 mm² AWG 14	10 A // 10 A	250V // 600V	Female			1584428	1584444	1584428	1584444
										1584428	1584444
					Male			1584415	1584431	1584415	1584431
										1584415	1584431
DD series						Number of positions					
						24	42	72	108	144	216
	Crimp CK 1,6 (CT)	0.14 mm² … 2.5 mm² AWG 14	10 A // 10 A	250V // 600V	Female	1584046	1584062	1584091	1584130	1584091	1584130
										1584101	1584143
					Male	1584033	1584059	1584075	1584114	1584075	1584114
										1584088	1584127

HS series						Number of positions					
								6		12	
	Push-in (PT)	0.5 mm² … 6.0 mm² AWG 10	41 A // 35 A	400 / 690V // 600V	Female			1031080			
					Male			1031082			
	Screw (UT)	0.5 mm² … 6.0 mm² AWG 10	41 A // 35 A	400 / 690V // 600V	Female			1406530		1406530	
										1406533	
					Male			1406531		1406531	
										1406534	
HV series						Number of positions					
							3	6	10		
	Push-in (PT)	0.14 mm² … 2.5 mm² AWG 14	16 A // 13 A	830V // 600V	Female		1407743	1407744	1407745		
					Male		1407739	1407740	1407741		
	Crimp CK 2,5 (CT)	0.5 mm² … 4.0 mm² 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 mm² … 16 mm² AWG 6	80 A // 80 A	1000V // 600V	Female			1580537			
					Male			1580538			

For crimp contacts, see page 33 onwards.

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 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	
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	
Module slots		2		2		2		1		1	
Female	Male	1417379	1417381	1417380	1417382	1417390	1417392	1417296	1417297	1417387	1417389
		2		2		3		3		3/4	
											
Connection		Push-in		Crimp CK 4,0		Push-in		Crimp CK 4,0		Crimp CK 4,0	
IEC rated data		40 A, 830 V, 6 mm²		40 A, 1,000 V, 10 mm²		40 A, 500 V, 6 mm²		40 A, 500 V, 10 mm²		40/10 A, 830 V, 6/2.5 mm²	
UL rated data		600 V, AWG 8		42 A, 600 V, AWG 10		600 V, AWG 8		42 A, 600 V, AWG 10		40 A, 600 V, AWG 10	
Module slots		1		1		1		1		1	
Female	Male	1424222	1424223	1414361	1414360	1424218	1424219	1414359	1414358	1414365	1414364
		4		4		2		5		5x2	
											
Connection		Push-in		Crimp CK 4,0		Crimp CK 2,5		Push-in		Push-in TWIN	
IEC rated data		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		16 A, 400 V, 1.5 mm²	
UL rated data		600 V, AWG 8		37 A, 600 V, AWG 10		28 A, 600 V, AWG 12		19 A, 600 V, AWG 14		16 A, 600 V, AWG 16	
Module slots		1		1		2		1		1	
Female	Male	1424220	1424221	1414362	1414363	1417407	1417408	1417373	1417372	1423962	1423961
		6		6		6		8		8	
											
Connection		Push-in		Crimp CK 2,5		Crimp CK 2,5		Push-in		Crimp CK 2,5	
IEC rated data		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	
UL rated data		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	
Module slots		1		1		1		1		1	
Female	Male	1424224	1424225	1414369	1414368	1414367	1414366	1424226	1424227	1414371	1414370
		20									
											
Connection		Crimp CK 2,5									
IEC rated data		16 A, 500 V, 4 mm²									
UL rated data		17.5 A, 600 V, AWG 12									
Module slots		2									
Female	Male	1414373	1414372								

For crimp contacts, see page 33 onwards.

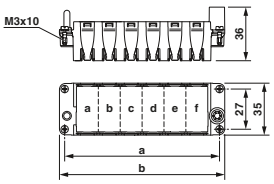
SIGNAL		Number of positions							
		12		12		17		25	
									
Connection		Push-in		Crimp CK 1,6		Crimp CK 1,6		Crimp D-SUB	
IEC rated data		10 A, 250 V, 1.5 mm²		10 A, 250 V, 2.5 mm²		10 A, 160 V, 2.5 mm²		4 A, 50 V, 0.5 mm²	
UL rated data				16 A, 600 V, AWG 14		14 A, 600 V, AWG 14		5 A, 30 V, AWG 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				B./St.	B./St.
Module slots		1		1		1		1		1686245	1676815
Female	Male	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				CAT5(e), 100 Mbps		CAT5(e), 100 Mbps		500 MHz, 75 Ω coax		500 MHz, 50 Ω coax	
IEC rated data				5 A, 50 V, 0.52 mm²		10 A, 50 V, 2.5 mm²		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	
Female	Male	1417376	1417374	1066080	1066082	1636091	1636088	1066961	1066962	1066959	1066960
											
Connection		RJ45 gender changer		RJ45, crimp		RJ Industrial, IDC				RJ45 patch cable	
Data transmission rate		10 Gbps, 500 MHz		10 Gbps, 500 MHz				1 Gbps, 100 MHz			
Description		CAT6$_A$		CAT6$_A$		For RJ Industrial, IDC		CAT5(e)		For RJ45 patch cables	
Module slots		1		1		1		AWG 26-24/23-22		1	
Female		1419886		1419887		1419888		1421608/1421129		1419885*	

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

* Suitable patch cables can be found in the accessories section of the 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 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

EVO M1 single-module housings

	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-BWS-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 page 44 onwards.

Crimp contacts

Web code: #1934

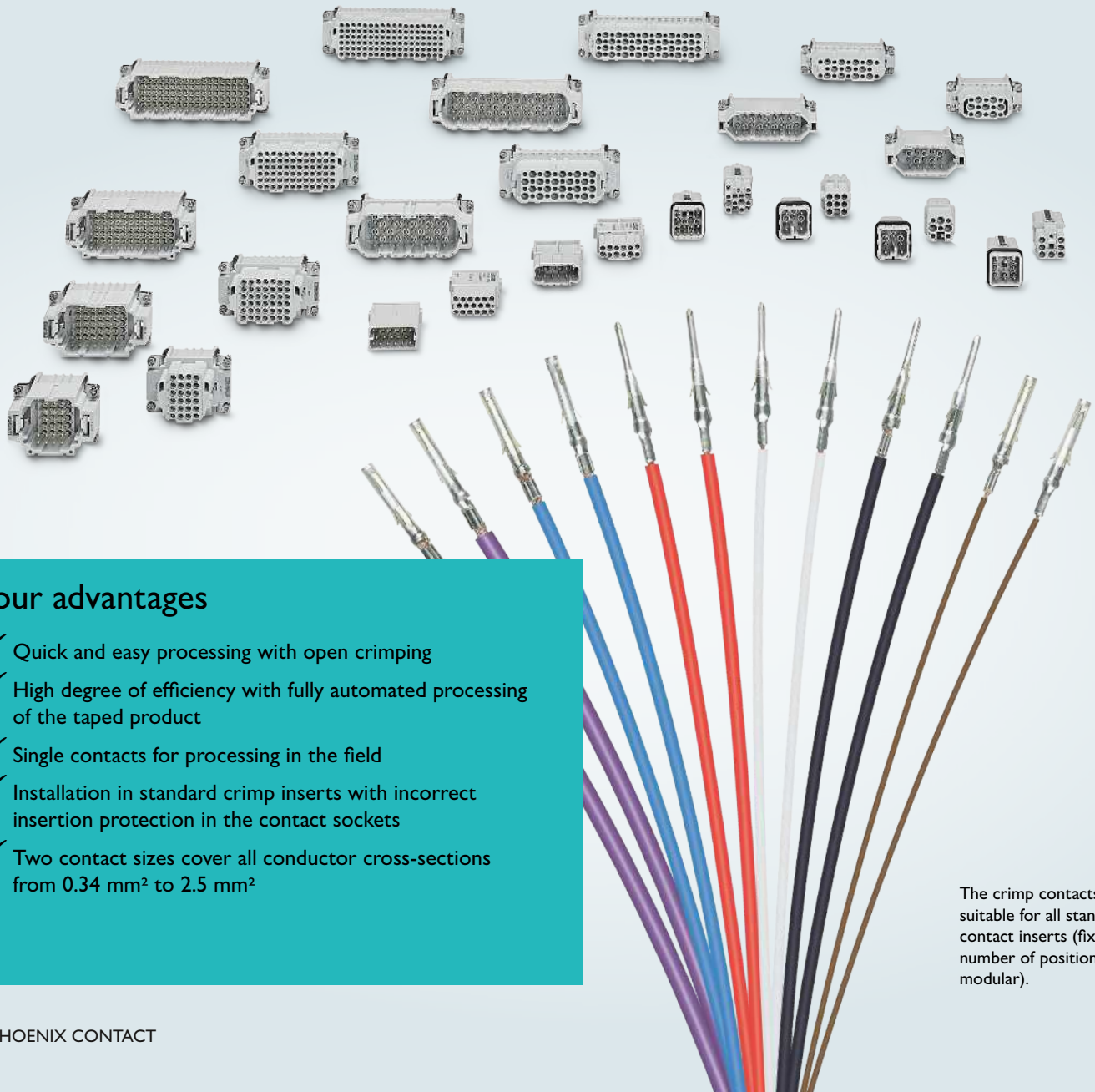
	For cross section (mm²)	AWG	Silver		Male, lagging	Gold	
			Female	Male		Female	Male
CK 1,6-ED, turned							
	0.14 … 0.37	26 … 22	1663394	1663336		1674969	1674901
	0.50	20	1663404	1663349		1674480	1672453
	0.75	18	1663417	1663352		1672440	1674914
	1.00	18	1663420	1663365		1674943	1674888
	1.50	16	1663433	1663378		1674930	1674875
	2.50	14	1663446	1663381		1674985	1674927
CK 2,5-ED, turned							
	0.50	20	1663640	1663572		1674859	1674804
	0.75	18	1663653	1663585			
	0.75 … 1.0	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
CK 4,0-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

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 mm / AWG 10 … 8.

Punched-rolled crimp contacts for standard crimp contact inserts

As connectors, crimp connectors have proven themselves for decades. The punched-rolled crimp contacts from Phoenix Contact can be processed quickly and easily, thanks to their open crimping. Along with taped products for high volume crimping, individual contacts are also available for flexible field assembly.



Your 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).

Crimp contacts

Web code: #1934

	For cross section (mm²)	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

STANDARD and EVO B metal housings

	Height	Thread	Metric					Thread	Pg				
			B06	B10	B16	B24	B48		B06	B10	B16	B24	B48
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	
EVO sleeve housings for single locking latch													
	Low		1411448	1411456					1411448	1411456			
	High*		1411447	1411453	1411461	1411473			1411447	1411453	1411461	1411473	

* For modular contact inserts and contact inserts with a fixed high number of positions.
For suitable cable glands, see page 44 onwards.

STANDARD and EVO 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	1412825	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 44 onwards.

STANDARD and EVO B metal housings

Web code: #1954

	Height	Thread	Metric				Thread	Pg			
			B10	B16	B24	B32		B10	B16	B24	B32
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
		M50		1082552		1424832	Pg42				1424829
	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
		M50		1082551		1424838	Pg42				1424835
	Low	Without thread	1419972	1419999	1420010		Without thread	1419972	1419999	1420010	
	High*		1419979	1420000	1420011			1419979	1420000	1420011	
EVO sleeve housings for double locking latch											
	Low		1411455					1411455			
	High*		1411451	1411460	1411472			1411451	1411460	1411472	
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 44 onwards.

STANDARD and EVO B metal housings

Web code: #1954

	Height	Thread	Metric			Thread	Pg		
			B10	B16	B24		B10	B16	B24
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
EVO sleeve housings with double locking latch									
	Low		1411457				1411457		
	High*		1411454	1411462	1411474		1411454	1411462	1411474
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 44 onwards.

EVO B plastic housings

	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 44 onwards.

EVO B plastic housings

Web code: #1950

	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 44 onwards.

ADVANCE B housings

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 44 onwards.

HPR B housings

Web code: #0520

	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 44 onwards.

Cable glands and adapters, plastic

Cable glands







Thread	Cable diameter (mm)		Black	EVO D housings		EVO B housings		Bending protection	Strain relief
	Min.	Max.		Bayonet lock	Thread adapter	Bayonet lock	Thread adapter		
M20	6	12	1411133				1414243		
	6	13						1415179	1415189
	7	13		1411350		1407069			
	9	13							
	9	17							
	10	14	1424481						
	11	16							
M25	9	17		1411351	1411352	1407670	1414244	1415180	1415190
	10	14							
	11	16							
	11	17	1411134						
	13	18	1424482						
	14	21							
M32	11	21				1407671	1414245		
	13	18							
	13	21						1415181	1415191
	14	21							
	15	21	1411136						
	18	25	1424483						
	19	27							
M40	18	25					1414246		
	19	27							
	19	28	1411137			1407672			
	27	34							
M50	22	32							
	24	35							
	27	38							
	30	36	1411138						
Pg13.5	6	12	1424498				1414247		
Pg16	10	14	1424499		1411353		1414248		
Pg21	13	18	1424500				1414249		
Pg29	18	25	1424501				1414250		
Pg36	22	32	1424502						
Pg42	30	38	1424503						

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

Corrugated pipe adapters








Thread	Protective hose outside diameter (mm)	For plastic protective hoses						For protective hoses with coated spirals	
		Straight				Angled			
		Without strain relief		With strain relief		Without strain relief		Cannot be rotated	Can be rotated
		IP66	IP69	IP66	IP69	IP66	IP69	IP54	
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 hoses

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	1410736

Cable glands and adapters, metal

Cable glands





Thread	Cable diameter (mm)		Nickel-plated brass	EMC	EVO B housings			Bending protection	Strain relief
					Bayonet lock		Thread adapter		
	Min.	Max.			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	14115195
	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					

Corrugated pipe adapters

				
Thread	**Protective hose outside diameter (mm)**	**For metal protective hoses**		
		Cannot be rotated		**Can be rotated**
		IP40	**IP65**	**IP40**
M 20	21	3241047	3241061	3241033
M 25	27	3241048	3241062	3241034
M 32	36	3241049	3241063	3241035
M 40	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 hoses

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

Protective covers

Web code: #1953

	Material	Size									
		D15	D25	D50	M1	B06	B10	B16	B24	B32	B48
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		

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:

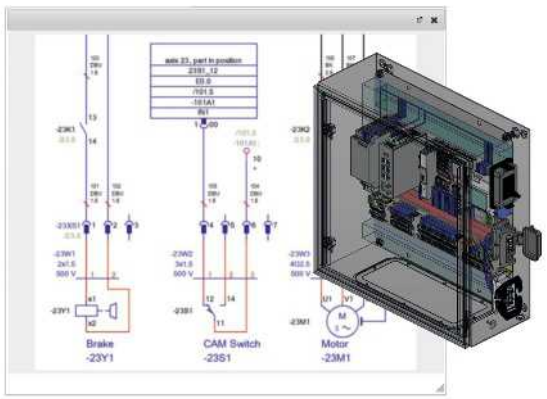
Web code: #0521

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

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 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.

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.

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 with 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.

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.

Open communication with customers and partners worldwide

Phoenix Contact is a global market leader based in Germany. We are known for producing future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. With a global network reaching across more than 100 countries with over 17,600 employees, we maintain close relationships with our customers, something we believe is essential for our common success.

Our wide variety of innovative products makes it easy for our customers to implement the latest technology in a variety of applications and industries. We focus on developing the fields of energy, infrastructure, process, and factory automation.

You can find your local partner at

phoenixcontact.com

MNR 5200428/2020-04-15/09

IFC05-20.000.L3

PHOENIX CONTACT

INSPIRING INNOVATIONS