



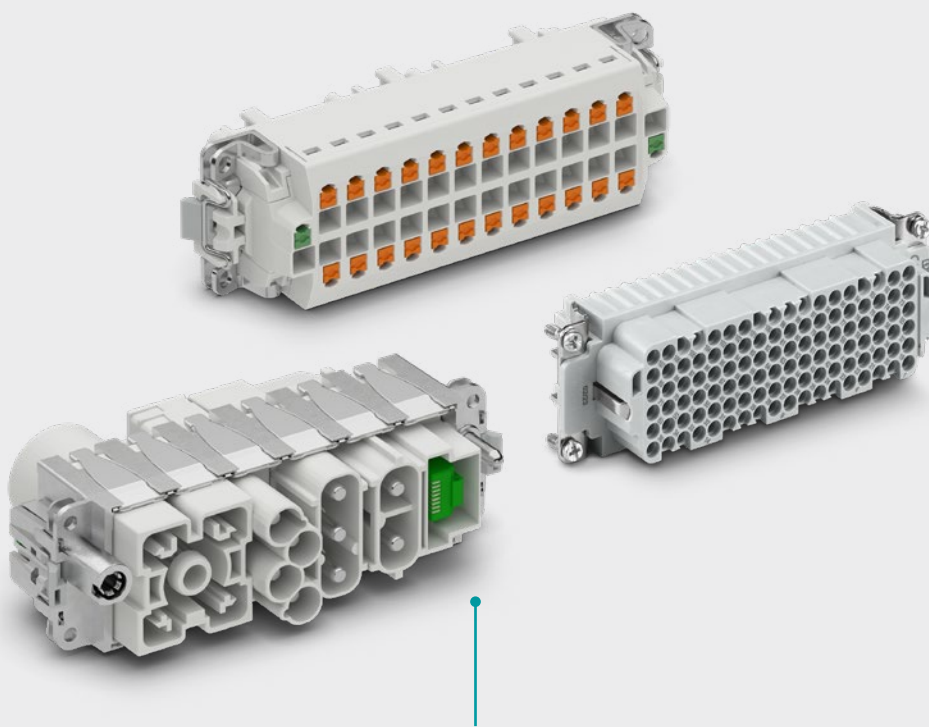
HEAVYCON COMPLETE heavy-duty connectors

Product overview 2026/2027

HEAVYCON COMPLETE

The right connector for every application

Heavy-duty connectors are established on the market and used in applications where robust plug-and-play solutions are required. Combine virtually any connector with the HEAVYCON COMPLETE product range – optimally tailored to the area of application, space requirements, and assembly effort.



1

Contact inserts

Do you want to transmit various media via an interface or quickly connect cables to power distributors? Phoenix Contact provides the right solution: contact inserts with a wide range of connection technologies for transmitting data, signals, and power.

➤ More information starting on page 4



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2 Connector housings

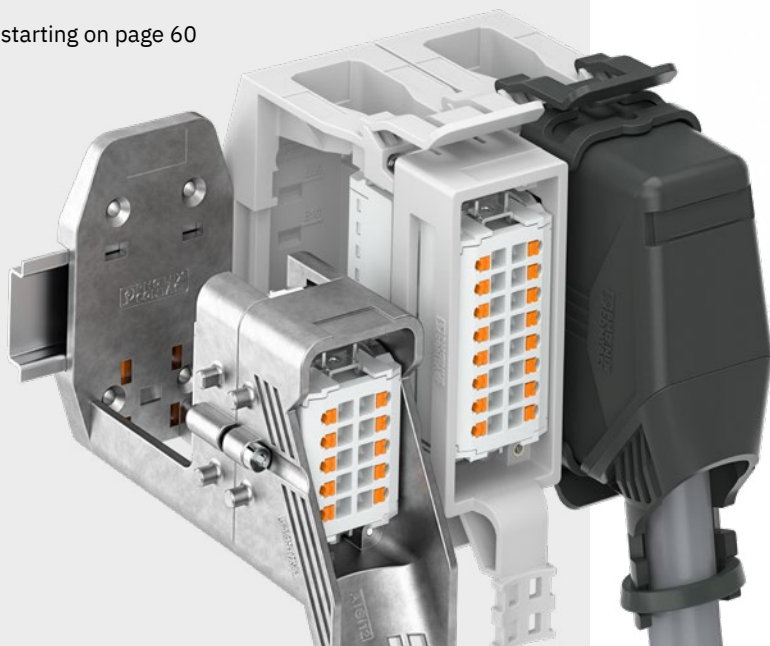
If you use connectors in particularly harsh, aggressive conditions, you need reliable housings with a high degree of protection. Create the right connection for your requirements every time using the freely combinable robust HEAVYCON housings from our three series.

➤ More information starting on page 30

3 Application-specific solutions and sets

HEAVYCON connectors enable smart solutions for easy wiring in control cabinets. Coordinated connector sets help you choose the right connector.

➤ More information starting on page 60



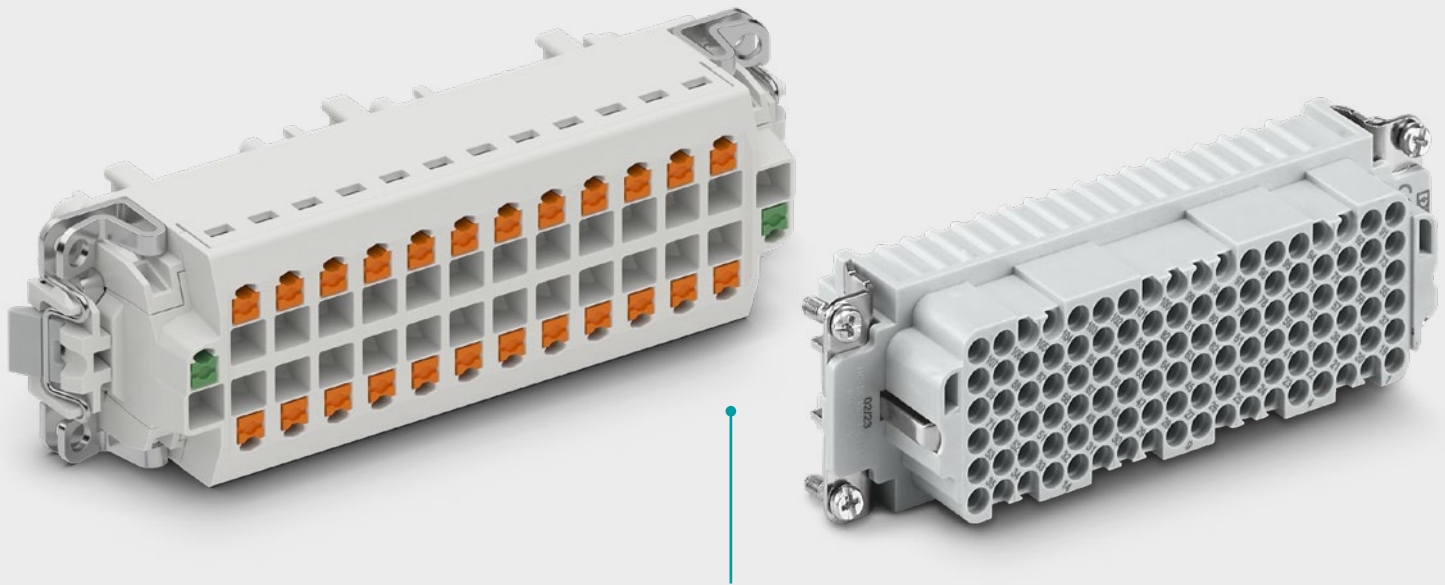
Contact inserts

1

Fixed-position or modular

Do you want to transmit various media via an interface or quickly connect cables to power distributors? We provide the right solution: contact inserts for heavy-duty connectors with a wide range of connection technologies for transmitting data, signals, and power.

Our contact inserts provide you with consistently compatible interfaces for all conventional sizes that can be flexibly combined.



HEAVYCON fixed-position

HEAVYCON fixed-position contact inserts offer fast assembly and are compatible with all conventional sizes.

- Various performance classes
- Various connection technologies
- Space-saving terminal adapters

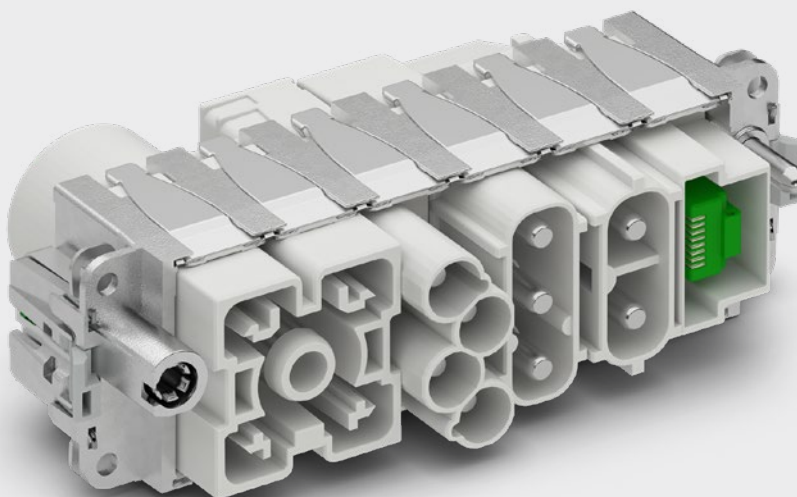
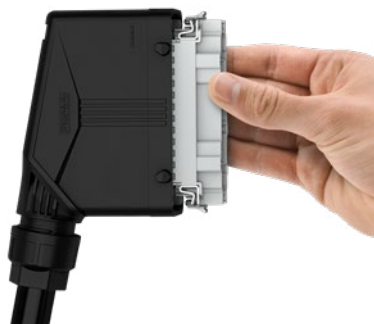
➤ More information starting on page 8

HEAVYCON Click-in

Contact inserts with Click-in latching enable the consistent tool-free installation of heavy-duty connectors. You do not need a screwdriver for conductor connection or mounting in the housing.

➤ More information starting on page 16

CLICK!



HEAVYCON MODULAR

With HEAVYCON MODULAR, you can create your own individual connector.

- Contact insert modules for power, signals, data, and pneumatics
- Highly compact interface achieved by combining various different transmission media in the same housing

➤ More information starting on page 18

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							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		Modular	
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	

Fixed-position contact inserts

Always the right connection technology

Our contact inserts provide you with consistently compatible interfaces for all conventional sizes that can be flexibly combined. The fixed-position versions are available in a variety of performance classes and with a variety of connection technologies – even for mixed assembly. Fast-connection technologies, such as Push-in or QUICKON insulation displacement connection, enable easy and tool-free cable connection.

Push-in Technology

Designed by Phoenix Contact



Your advantages

- ✓ Various connection technologies:
Push-in, IDC, crimp, and screw connection
- ✓ Easy wiring of the protective conductor
- ✓ Plug-in and mounting compatible with
heavy-duty connectors from other manufacturers

Easily connect, code, and mount contact inserts

1

2

3

Contact inserts



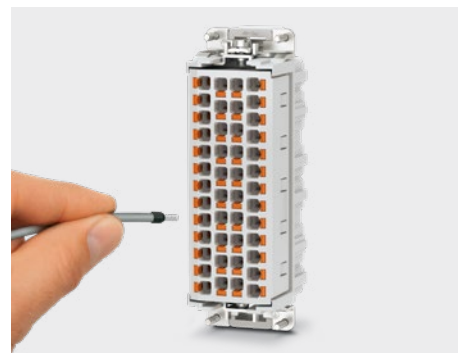
Click-in latching

Click-in contact inserts enable tool-free conductor connection and mounting in the connector housing.



User-friendly Push-in connection

Contact inserts with Push-in connection can be connected easily and tool-free by means of direct insertion.



High-position applications

The high-position Push-in contact inserts enable you to connect up to 46 signal and power contacts in the B24 connector.



Fast QUICKON connection

Reduce wiring time by up to 60%. With the QUICKON connection, you can connect flexible and rigid conductors without any pretreatment.



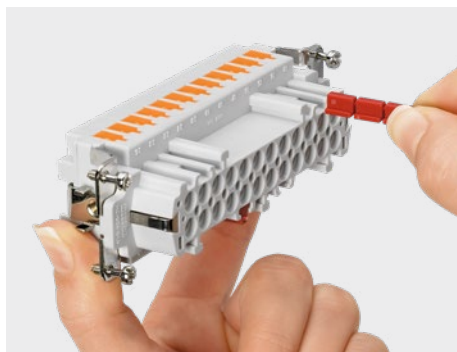
Compact crimp connection

Contact inserts with crimp connection require impressively little space at the terminal point.



Universal screw connection

The screw connection technology proven throughout the world features a maintenance-free conductor connection.



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 by means of direct insertion.



Two conductors on one potential

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

Contact inserts for D housings

	Connection / contact diameter	Connection cross-section	Rated current / voltage	Version	Size			
					D7			
A series					Number of positions			
					3	4		
	Push-in / 1.6 mm	0.14 mm² ... 1.5 mm² 26 AWG ... 16 AWG	10 A / 230 / 400 V	Female	1585265	1585281		
				Male	1585252	1585278		
	Screw / 1.6 mm	0.5 mm² ... 2.5 mm² 20 AWG ... 14 AWG		Female	1585223	1585249		
				Male	1585210	1585236		
D series					Number of positions			
					7	8		
	Crimp / 1.6 mm	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	10 A / 250 V	Female	1584347 ¹⁾			
				Male	1584334 ¹⁾			
			10 A / 42 V	Female	1425006	1584363		
				Male	1425005	1584350		
Q series					Number of positions			
					2	3	4	
	Axial screw / 4 mm	1.5 mm² ... 10 mm²	40 A / 400 V	Female	1496732			
				Male	1496723			
			40 A / 830 V	Female	1496730			
				Male	1496725			
	Crimp / 4 mm	1.5 mm² ... 6 mm² 16 AWG ... 10 AWG	40 A / 400 V	Female	1419895	1419897		
				Male	1419893	1419896		
			40 A / 830 V	Female			1419899 ¹⁾	
				Male			1419898 ¹⁾	
						Number of positions		
						5	7	12
		Crimp / 2.5 mm	0.5 mm² ... 2.5 mm² 20 AWG ... 14 AWG	20 A / 230 / 400 V	Female	1406537		
					Male	1406538		
		Push-in / 2.5 mm		16 A / 230 V	Female	1013948		
					Male	1013947		
	Crimp / 1.6 mm	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	12 A / 400 V	Female		1418623	1418625	
				Male		1418624	1418626	

	Description	Rated current / voltage	Version	Size
				D7
Q series				Number of positions
				RJ45
	Gender changer	1 A / 50 V	Female	1422590
	With RJ45 contact insert		Male	1077117
	Adapter for patch cables			1077120
	Adapter for RJ45 connectors			1077119

Contact inserts for D housings

	Connection / contact diameter	Connection cross-section	Rated current / voltage	Version	Size		
					D15	D25	D50
A series					Number of positions		
					10	16	16
	Crimp / 2.5 mm	0.5 mm² ... 4 mm² 20 AWG ... 12 AWG	16 A / 250 V	Female	1585427	1585443	
				Male	1585414	1585430	
	Push-in / 2.5 mm	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG		Female	1585362	1585388	1585401 ²⁾
				Male	1585359	1585375	1585391 ²⁾
	Screw / 2.5 mm	0.5 mm² ... 2.5 mm² 20 AWG ... 14 AWG		Female	1585304	1585320	1585346 ²⁾
				Male	1585294	1585317	1585333 ²⁾
D series					Number of positions		
					15	25	
	Crimp / 1.6 mm	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	10 A / 250 V	Female	1584389	1584402	
						1411481 ³⁾	
				Male	1584376	1584392 ³⁾	
						1411478	

Contact inserts for COM housings

	Connection / contact diameter	Connection cross-section		Rated current / voltage		Version	Size	
		Power	Signal	Power	Signal		COM	
Compact series							Number of positions	
							4+2+PE	4+2+PE
	Axial screw / 4 mm	2.5 mm² ... 6 mm² 14 AWG ... 10 AWG	0.34 mm² ... 1.5 mm² 22 AWG ... 16 AWG	40 A 400 V / 690 V	10 A 250 V	Female	1079557 ⁴⁾	
	Crimp / 4 mm	1.5 mm² ... 6 mm² 16 AWG ... 10 AWG	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG			Male	1079558 ⁴⁾	
						Female	1079556	1459657 ¹⁾
						Male	1079555	1463388 ¹⁾
							Number of positions	
							8	17
	Push-in / 2.5 mm	0.5 mm² ... 2.5 mm² 20 AWG ... 14 AWG		16 A 500 V		Female	1079554	
						Male	1079553	
	Crimp / 2.5 mm	0.5 mm² ... 4 mm² 20 AWG ... 12 AWG				Female	1079547	
						Male	1079548	
	Crimp / 1.6 mm	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG		10 A 200 V		Female		1408478 ¹⁾
						Male		1408465 ¹⁾

¹⁾ Only suitable for plastic housings.

²⁾ Contact insert with adapted contact numbering. Two contact inserts are required. Please additionally order the D25 contact insert.

³⁾ With special printing (row C, pos. 1 is printed with the letter Z).

⁴⁾ Signal contacts with crimp connection

Fixed-position contact inserts for B housings

	Connection / contact diameter	Connection cross-section	Rated current / voltage	Version	Size					
					B06	B10	B16	B24	B32	B48
B series					Number of positions					
					6	10	16	24	16	24
	Crimp / 2.5 mm	0.5 mm² ... 4 mm² 20 AWG ... 12 AWG	16 A / 500 V	Female	1648160	1648225	1648283	1648348	1584923 ¹⁾	1584981 ¹⁾
				Male	1648157	1648212	1648270	1648335	1584910 ¹⁾	1584978 ¹⁾
	Push-in / 2.5 mm	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG		Female	1407727	1407729	1407731	1407735	1407733 ¹⁾	1407737 ¹⁾
				Male	1407728	1407730	1407732	1407736	1407734 ¹⁾	1407738 ¹⁾
		0.25 mm² ... 1.5 mm² 24 AWG ... 16 AWG		Female	1423016 ²⁾	1423018 ²⁾	1423020 ²⁾	1423022 ²⁾	1423826 ^{1) 2)}	1423828 ^{1) 2)}
				Male	1423015 ²⁾	1423017 ²⁾	1423019 ²⁾	1423021 ²⁾	1423825 ^{1) 2)}	1423827 ^{1) 2)}
	QUICKON / 2.5 mm	0.34 mm² ... 2.5 mm² 22 AWG ... 14 AWG		Female	1605556	1605569	1605572	1605585	1605598 ¹⁾	1605608 ¹⁾
				Male	1605611	1605624	1605637	1605640	1605653 ¹⁾	1605666 ¹⁾
	Screw / 2.5 mm	0.5 mm² ... 2.5 mm² 20 AWG ... 14 AWG		Female	1648128	1648186	1648241	1648306	1584884 ¹⁾	1584949 ¹⁾
				Male	1648115	1648173	1648238	1648296	1584871 ¹⁾	1584936 ¹⁾
		1.5 mm² ... 6 mm² 16 AWG ... 10 AWG	16 A / 200 V	Female	1541918 ³⁾					
				Male	1541916 ³⁾					
BB series					Number of positions					
					10	18	32	46	32	46
	Crimp / 2.5 mm	0.5 mm² ... 4 mm² 20 AWG ... 12 AWG	16 A / 500 V	Female	1584703	1584729	1584745	1584758	1406543 ¹⁾	1406545 ¹⁾
				Male	1584774	1584716	1584732	1584761	1406544 ¹⁾	1406546 ¹⁾
	Push-in / 2.5 mm	0.5 mm² ... 2.5 mm² 20 AWG ... 14 AWG		Female	1014417	1014419	1014421	1014423		
				Male	1014418	1014420	1014422	1014424		
BBB series					Number of positions					
							40	64		
	Crimp / 2.5 mm	0.5 mm² ... 4 mm² 20 AWG ... 12 AWG	16 A / 500 V	Female			1409930	1409914		
				Male			1409921	1409901		

Fixed-position contact inserts for B housings

	Connection / contact diameter	Connection cross-section	Rated current / voltage	Version	Size					
					B06	B10	B16	B24	B32	B48
D series					Number of positions					
							40	64		
	Crimp / 1.6 mm	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	10 A / 250 V	Female			1584428	1584444		
				Male			1584415	1584431		
DD series					Number of positions					
					24	42	72	108	72	108
	Crimp / 1.6 mm	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	10 A / 250 V	Female	1584046	1584062	1584091	1584130	1584101 ¹⁾	1584143 ¹⁾
				Male	1584033	1584059	1584075	1584114	1584088 ¹⁾	1584127 ¹⁾
HS series					Number of positions					
							6		6	
	Push-in / 3.5 mm	1.5 mm² ... 6 mm² 16 AWG ... 10 AWG	35 A / 400 / 690 V	Female			1031080			
				Male			1031082			
	Screw / 3.5 mm	0.5 mm² ... 6 mm² 20 AWG ... 10 AWG	41 A / 400 / 690 V	Female			1406530		1406533 ¹⁾	
				Male			1406531		1406534 ¹⁾	
HV series					Number of positions					
						5	8	12		
	Push-in / 2.5 mm	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	16 A / 690 V	Female		1407743	1407744	1407745		
				Male		1407739	1407740	1407741		

¹⁾ Contact insert with adapted contact numbering. Two contact inserts are required.
Please additionally order the B16 or B24 contact insert according to your selection.

²⁾ These items are a TWIN connection. Two conductors can be connected per position.

³⁾ Contact inserts with short-circuit function

Fixed-position contact inserts for B housings

	Connection / contact diameter	Connection cross-section		Rated current / voltage		Version	Size		
		Power	Signal	Power	Signal		B10	B16	B24
K series							Number of positions		
							8+24+PE	4+PE	
	Crimp / 2.5 mm	0.5 mm² ... 4 mm² 20 AWG ... 12 AWG	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	16 A 400 V	10 A 160 V	Female	1636321		
						Male	1636318		
	Screw / 6 mm	1.5 mm² ... 16 mm² 16 AWG ... 6 AWG		80 A 800 V		Female		1679427	
						Male		1679414	
							Number of positions		
								4+2+PE	
	Screw / 6 mm	1.5 mm² ... 16 mm² 16 AWG ... 6 AWG	0.5 mm² ... 2.5 mm² 20 AWG ... 14 AWG	80 A 800 V	16 A 630 V	Female		1686876 ¹⁾	
						Male		1686889 ¹⁾	
	Screw / 6 mm	6 mm² ... 16 mm² 10 AWG ... 6 AWG		80 A 1000 V		Female		1580537 ²⁾	
						Male		1580538 ²⁾	
							Number of positions		
								12+2+PE	
	Crimp / 4 mm	1.5 mm² ... 6 mm² 16 AWG ... 10 AWG	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	40 A 690 V	10 A 250 V	Female		1695887	
						Male		1695884	
							Number of positions		
								6+12+PE	
	Axial screw / 4 mm	2.5 mm² ... 10 mm² 12 AWG ... 8 AWG	0.2 mm² ... 2.5 mm² 24 AWG ... 14 AWG	40 A 690 V	10 A 230 V	Female		1636363	
						Male		1636350	
							Number of positions		
								6+36+PE	
	Crimp / 4 mm	1.5 mm² ... 6 mm² 16 AWG ... 10 AWG	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	40 A 630 V	10 A 160 V	Female		1636389	
						Male		1636376	
							Number of positions		
									6+6+PE
	Axial screw / 6 mm	16 mm² ... 35 mm² 5 AWG ... 2 AWG	0.2 mm² ... 2.5 mm² 24 AWG ... 13 AWG	100 A 690 V	16 A 400 V	Female			1636402
						Male			1636392

¹⁾ Number of positions: 4+2
²⁾ Number of positions: 6+0

Terminal adapters for B housings

Space-saving terminal adapters

Terminal adapters are the perfect blend of conventional terminal block and contact insert. Install the terminal adapters in a control cabinet panel. You can attach a connector from the outside. The terminal adapters are available with screw and Push-in connection.

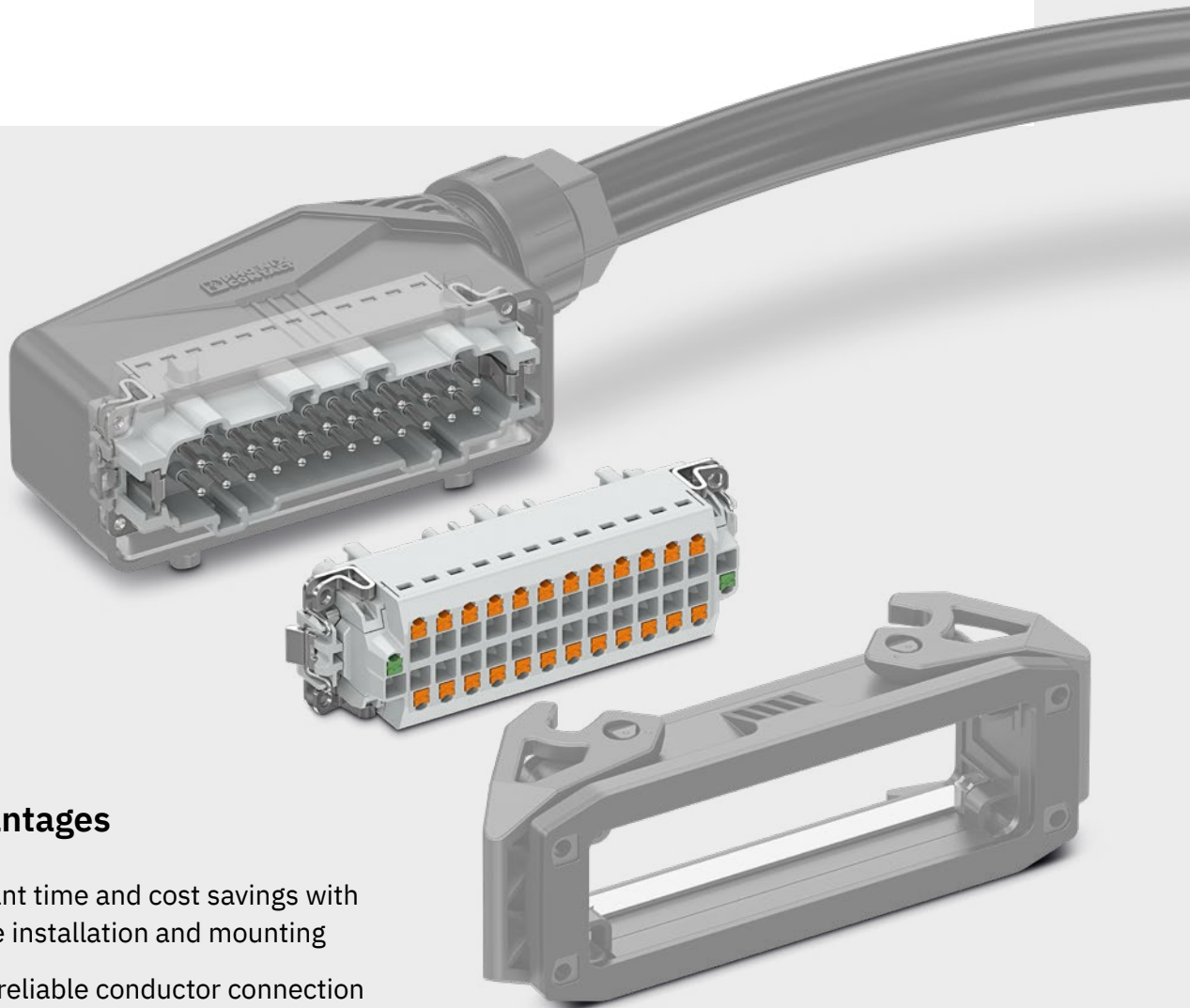


	Connection	Connection cross-section	Rated current / voltage	Version	Size				
					B06	B10	B16	B24	
B-A series, left protective conductor connection for right control cabinet panel					Number of positions				
					6	10	16	24	
	Push-in	0.5 mm² ... 2.5 mm² 22 AWG ... 12 AWG	16 A / 500 V	Female	1648351	1648393	1648432	1648474	
				Male	1648364	1648403	1648445	1648487	
	Screw	0.5 mm² ... 2.5 mm² 20 AWG ... 14 AWG		Female	1648018	1648030	1648042	1648054	
				Male	1648024	1648036	1648048	1648060	
B-A series, right protective conductor connection for left control cabinet panel					Number of positions				
					6	10	16	24	
	Push-in	0.5 mm² ... 2.5 mm² 20 AWG ... 12 AWG	16 A / 500 V	Female	1648377	1648416	1648458	1648490	
				Male	1648380	1648429	1648461	1648500	
	Screw	0.5 mm² ... 2.5 mm² 20 AWG ... 14 AWG		Female	1648066	1648078	1648090	1648102	
				Male	1648072	1648084	1648096	1648108	
D-A series, left protective conductor connection for right control cabinet panel					Number of positions				
							40	64	
	TWIN push-in	0.5 mm² ... 2.5 mm² 22 AWG ... 12 AWG	10 A / 250 V	Female			1580147	1580189	
				Male			1580150	1580192	
	Screw			0.2 mm² ... 2.5 mm² 22 AWG ... 12 AWG	Female			1584253	
					Male			1584240	
		Female						1584295	
		Male						1584282	
D-A series, right protective conductor connection for left control cabinet panel					Number of positions				
							40	64	
	TWIN push-in	0.5 mm² ... 2.5 mm² 22 AWG ... 12 AWG	10 A / 250 V	Female			1580163	1580202	
				Male			1580176	1580215	
	Screw			0.2 mm² ... 2.5 mm² 22 AWG ... 12 AWG	Female			1584279	
					Male			1584266	
		Female						1584321	
		Male						1584318	

Click-in contact inserts

Tool-free installation and mounting

HEAVYCON Click-in contact inserts increase the efficiency of cabling work. Push-in Technology and the Click-in latching ensure extremely easy handling and reliable installation. No tools are required for conductor connection or mounting in the connector housing. This ensures significant time savings.



Your advantages

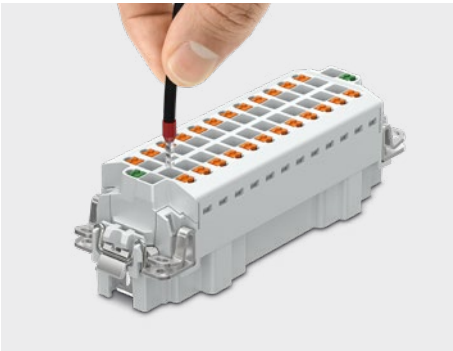
- ✓ Significant time and cost savings with tool-free installation and mounting
- ✓ Simple, reliable conductor connection with Push-in Technology, including the protective conductor
- ✓ Reliable use due to shock- and vibration-resistant connection

Click-in contact inserts for B housings



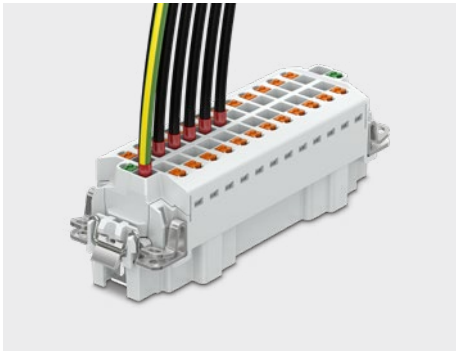
Time-saving mounting

You can install HEAVYCON click-in contact inserts in the tall EVO and STANDARD connector housings easily, reliably, and without tools. The audible and tangible latching confirms secure installation.



User-friendly connection

HEAVYCON Click-in contact inserts are assembled using Push-in Technology. This provides convenient and tool-free conductor connection. Contact rigid and pretreated conductors easily and reliably by means of direct insertion.



Reliable grounding

The PE connection with Push-in Technology enables easy, shock- and vibration-resistant wiring of the protective conductor. Installation is tool-free by means of direct insertion – even from the inside of the control cabinet.

	Connection / contact diameter	Connection cross-section	Rated current / voltage	Version	Size			
					B06	B10	B16	B24
B series					Number of positions			
					6	10	16	24
	Push-in / 2.5 mm	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	16 A / 500 V	Female	1350024	1350017	1350013	1350010
				Male	1350025	1350020	1350015	1350011

Modular contact inserts

Everything in one housing

With HEAVYCON MODULAR, you can create your own individual connector. By combining various different transmission media in the same housing, you can easily create your highly compact interface. The broad product line includes contact inserts for power, signal, and data transmission, as well as for pneumatic applications.



Your advantages

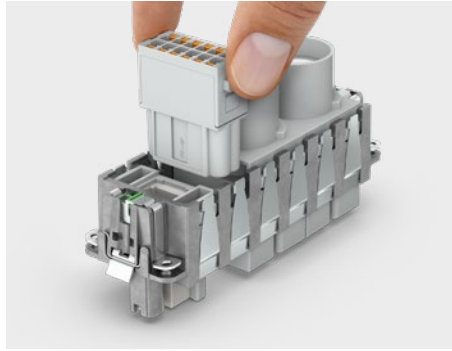
- ✓ Comprehensive range of modules for data, signals, power, and pneumatics
- ✓ Short installation time with innovative module carrier frame
- ✓ Modules, frames, and complete connectors are compatible with the market standard
- ✓ Completely tool-free mounting with the click-in module carrier frame

Your advantages in detail



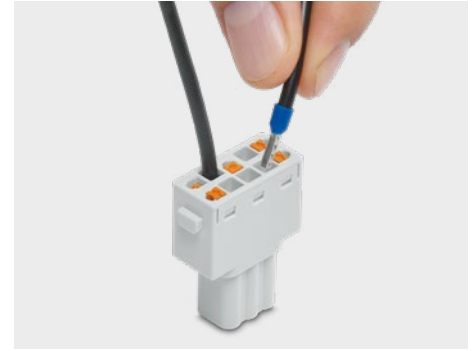
For all applications

We offer modules for currents of up to 300 A, voltages of up to 5,000 V, signal transmission up to 25 positions per module for reliable data transfer and inserts for pneumatic applications.



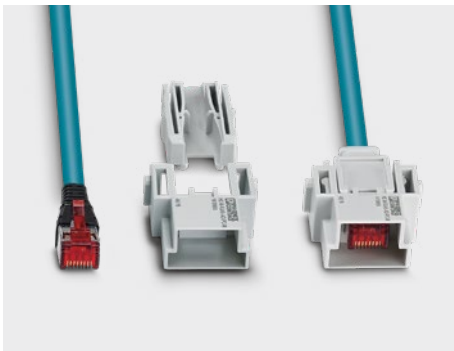
Simply snap into place

Mount any module combination consistently and without tools with the innovative click-in module carrier frame. The module latching system ensures an intuitive and secure connection of the individual components.



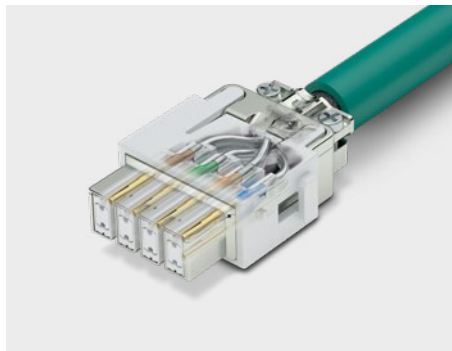
Easy contacting

Tool-free direct insertion: contact inserts with Push-in connection offer convenient and vibration-resistant conductor connection.



Data transmission via RJ45

You can easily integrate RJ45 data cables into your application with the RJ45 modules. We also offer preassembled 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 reliably for high-speed applications.



For higher packing densities

We offer Push-in inserts with a compact clamping chamber for high-position applications and modules with double conductor connection.

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Contact inserts

Modular contact inserts

Modules for power and high-voltage applications

Number of positions	1									
Connection method / contact diameter	Axial screw connection / 9.5 mm		Crimp connection / 8 mm		Push-in connection / 8 mm		Crimp connection / 9.5 mm			
Connection cross-section	6 mm² ... 70 mm² 10 AWG ... 0 AWG		10 mm² ... 35 mm² 8 AWG ... 2 AWG		2.5 mm² ... 16 mm² 14 AWG ... 6 AWG		16 mm² ... 70 mm² 6 AWG ... 20 AWG			
Rated current / voltage	200 A / 1000 V		100 A / 1000 V		76 A / 1000 V		200 A / -	200 A / 1000 V		
Module slots	2		1				2			
Female / male	1417379	1417381	1544119	1544120	1544117	1544116	1683512	1683511	1687651 ²⁾	
Number of positions	1					2				
Connection method / contact diameter	Crimp connection / 9.5 mm		M8 cable lug			Axial screw connection / 8 mm		Axial screw connection / 6 mm		
Connection cross-section	95 mm² ... 120 mm² 30 AWG ... 40 AWG		Max. 120 mm² 4/0 AWG			10 mm² ... 35 mm² 8 AWG ... 2 AWG		4 mm² ... 25 mm² 16 AWG ... 4 AWG		
Rated current / voltage	300 A / 1000 V		300 A / 1000 V			100 A / 1000 V		70 A / 1000 V		
Module slots	2						1			
Female / male	1683513	1687652	1808043	1808044	1809914	1417390	1417392	1417296	1417297	
Number of positions	2									
Connection method / contact diameter	Crimp connection				Axial screw connection / 4 mm		Crimp connection / 2.5 mm		Crimp connection / 4 mm	
Connection cross-section	10 mm² ... 35 mm² 8 AWG ... 2 AWG		6 mm² ... 25 mm² 10 AWG ... 4 AWG		2.5 mm² ... 10 mm² 12 AWG ... 10 AWG		0.5 mm² ... 4 mm² 20 AWG ... 12 AWG		1.5 mm² ... 10 mm² 16 AWG ... 8 AWG	
Rated current / voltage	100 A / 1000 V		70 A / 1000 V		40 A / 1000 V		16 A / 2900/5000 V		40 A / 1000 V	
Module slots	2		1		1		2		1	
Female / male	1683508	1684766	1683506	1683509	1417387	1417389	1417407	1417408	1414361	1414360
Number of positions	2		3			4				
Connection method / contact diameter	Push-in connection / 4 mm		Crimp connection / 4 mm		Push-in connection / 4 mm		Crimp connection / 4 mm		Push-in connection / 4 mm	
Connection cross-section	2.5 mm² ... 6 mm² 14 AWG ... 10 AWG		1.5 mm² ... 6 mm² 16 AWG ... 8 AWG		2.5 mm² ... 6 mm² 14 AWG ... 10 AWG		1.5 mm² ... 6 mm² 16 AWG ... 10 AWG		2.5 mm² ... 6 mm² 14 AWG ... 10 AWG	
Rated current / voltage	40 A / 1000 V		40 A / 830 V		40 A / 1000 V					
Module slots	1									
Female / male	1424222	1424223	1414359	1414358	1424218	1424219	1414363	1414362	1424220	1424221

¹⁾ These items are a TWIN connection.

Two conductors can be connected per position.

²⁾ Touch protection on both sides (pin and socket).

Modular contact inserts

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Contact inserts

Modules for power and high-voltage applications								
								
Number of positions	5				6			
Connection method / contact diameter	Push-in connection / 2.5 mm				Crimp connection / 2.5 mm			
Connection cross-section	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG		0.25 mm² ... 1.5 mm² 24 AWG ... 16 AWG		0.5 mm² ... 4 mm² 20 AWG ... 12 AWG			
Rated current / voltage	16 A / 400 V		16 A / 230/400 V		16 A / 830 V			
Module slots	1				1			
Female / male	1417373	1417372	1423962 ¹⁾	1423961 ¹⁾	1414369 ²⁾	1414368 ²⁾	1414367	1414366
								
Number of positions	6		8			20		
Connection method / contact diameter	Push-in connection / 2.5 mm				Crimp connection / 2.5 mm		Crimp connection / 2.5 mm	
Connection cross-section	0.5 mm² ... 2.5 mm² 20 AWG ... 14 AWG				0.5 mm² ... 4 mm² 20 AWG ... 12 AWG		0.5 mm² ... 4 mm² 20 AWG ... 12 AWG	
Rated current / voltage	16 A / 500 V		16 A / 690 V		16 A / 500 V		16 A / 690 V	
Module slots	1					2		
Female / male	1424224	1424225	1424226	1424227	1414371	1414370	1414373	1414372

Modules for combined power and signal applications		
		
Number of positions	7	
Connection method / contact diameter	Crimp connection / 4 mm	
Connection cross-section	1.5 mm² ... 6 mm² 16 AWG ... 10 AWG	
Power contacts	1.5 mm² ... 6 mm² 16 AWG ... 10 AWG	
Signal contacts	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	
Rated current / voltage	40 A / 960 V	
Power contacts	40 A / 500 V	
Signal contacts	10 A / 690 V	
Module slots	1	
Female / male	1414365	1414364

¹⁾ These items are a TWIN connection.
Two conductors can be connected per position.

²⁾ Touch protection on both sides (pin and socket).

Modular contact inserts

Contact insert modules with function

Decentralized structures save space in the control cabinet and reduce cabling. The innovative HEAVYCON MWF contact insert modules make it possible to shift the functionality from the control cabinet to the field. The multifunctional disconnect zone and the double function slot are the central features of the five-position contact inserts. Quick and individual

potential distribution is made possible by plug-in bridges. The disconnect zone supports the flexible use of fuse plugs, component connectors, and isolating plugs. For example, power forwarding and string protection can be implemented easily.



Modules with function		
		
Number of positions	5	
Connection method / contact diameter	Push-in connection / 2.5 mm	
Connection cross-section	0.5 mm² ... 2.5 mm² 21 AWG ... 14 AWG	
Rated current / voltage	16 A / 400 V	
Features	With disconnect zone for fuse plugs, component connectors, and isolating plugs	With double function slot for bridges
Module slots	2	
Female / male	1118096	1118092

Modules for data and signal applications										
										
Number of positions			8							
Series	KOAX		MBIT							
Connection method / contact diameter	Solder and crimp connection / 4.8 mm		Crimp connection / 1.6 mm							
Connection cross-section	0.2 mm² ... 0.8 mm² 24 AWG ... 18 AWG		0.14 mm² ... 1.5 mm² 26 AWG ... 16 AWG							
Rated current / voltage	1.5 A / 48 V		10 A / 48 V							
Transmission properties			CAT5e							
Number of cable outlets	4		1				2			
Shielding	Unshielded		Shielded							
Features			Shielded transmission to the module frame					Shielded transmission to the module frame		
Module slots	1									
Female / male	1417370	1417371	1353625	1353620	1353613	1353611	1353627	1353626	1353617	1353614

Modular contact inserts

Modules for data applications										
										
Number of positions	9						8			
Series	DSUB-C				DSUB-U		GBIT			
Module slots	1									
Connection method / contact diameter	Crimp connection / 1 mm				Screw connection / 1 mm		Crimp connection / 1 mm			
Connection cross-section	0.08 mm² ... 0.5 mm² 28 AWG ... 20 AWG									
Rated current / voltage	5 A / 42 V		1 A / 48 V				5 A / 48 V			
Transmission properties			Shielded data cable				CAT6 _A			
Shielding	Unshielded						Shielded			
Features	Without crimp contacts						Without crimp contacts		Without crimp contacts Shielded transmission to the module frame	
Female / male	1353628	1353630	1649685	1649686	1417307	1423723	1417303	1417302	1353610	1353603

								
Number of positions	8						9	
Series	RJ45						USB	
Module slots	1							
Connection cross-section						24 AWG ... 27 AWG		
Rated current / voltage	1 A / 48 V						5 A / 20 V	
Transmission properties	CAT6 _A		CAT5e	CAT6	CAT6 _A		USB 3.2 Gen. 1	
Shielding	Unshielded		Shielded	Unshielded			Shielded	
Features	Coupling	Gender changer	Adapter for RJ45 connectors	Adapter for patch cables		With RJ45 contact insert	Gender changer	Adapter for patch cables
Female / male	1761664	1419886	1419888	1419885	1435214	1419887	1353677	1353664

Modules for measuring and testing tasks	
	 
Number of positions	6
Connection method / contact diameter	Push-in connection / 4 mm
Connection cross-section	1.5 mm² ... 4 mm² 21 AWG ... 12 AWG
Rated current / voltage	20 A / 100 V
Module slots	2
Female / male	1079590 1079591

Modular contact inserts

Modules for signal application										
										
Number of positions	12				17		25		42	
Connection method / contact diameter	Crimp connection / 1.6 mm		Push-in connection / 1.6 mm		Crimp connection / 1.6 mm		Crimp connection / 1 mm		Crimp connection / 1.6 mm	
Connection cross-section	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG		0.14 mm² ... 1.5 mm² 26 AWG ... 16 AWG		0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG		0.08 mm² ... 0.5 mm² 28 AWG ... 20 AWG		0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	
Rated current / voltage	10 A / 250 V		10 A / 400 V		10 A / 160 V		4 A / 60 V		10 A / 150 V	
Module slots	1								2	
Female / male	1414355	1414354	1424228	1424246	1414357	1414356	1414375	1414374	1450937	1450698

EMC modules for data and signal applications		
		
Number of positions	2	
Series	EMC	
Connection method / contact diameter	Crimp connection / 1.6 mm	
Connection cross-section	0.14 mm² ... 2.5 mm²	
Rated current / voltage	10 A / 48 V	
Shielding	Unshielded	
Features	For using two EMC connectors (female), number of positions: 1, 4, 8	For using two EMC connectors (male), number of positions: 1, 4, 8
Module slots	2	2
Female / male	1417376	1417374

EMC modules for data and signal applications								
								
Number of positions	1				4		8	
Series	EMC							
Connection method / contact diameter	Crimp connection / 2.5 mm		Crimp connection / 1.6 mm				Crimp connection / 1 mm	
Connection cross-section	0.5 mm² ... 4 mm² 20 AWG ... 12 AWG		0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG				0.09 mm² ... 0.52 mm² 28 AWG ... 20 AWG	
Rated current / voltage	16 A / 48 V		10 A / 48 V				5 A / 48 V	
Transmission properties					CAT5e			
Number of cable outlets	1							
Shielding	Shielded							
Female / male	1066959	1066960	1066961	1066962	1636091	1636088	1066080	1066082

Modular contact inserts

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Contact inserts

Modules for PE transmission				
				
Number of positions	1			
Connection method / contact diameter	Screw connection / 4 mm		Axial screw connection / 9.5 mm	
Connection cross-section	0.5 mm² ... 6 mm² 20 AWG ... 10 AWG		25 mm² ... 70 mm² 10 AWG ... 0 AWG	
Module slots	For EVO M1 housings		2	
Female / male	1424438	1424439	1417380	1417382

Modules for pneumatic applications			
			
Number of positions	2		3
Contact diameter	8 mm		5.2 mm
Inside diameter of pressure hose connection	6 mm		1.6 mm / 3 mm / 4 mm
Module slots	1		1
Female / male	1417434	1417434	1417433

Pneumatic contact				
				
Contact diameter	8 mm	5.2 mm		
Inside diameter of pressure hose connection	6 mm	1.6 mm	3 mm	4 mm
Pneumatic socket	1676763	1663514	1663527	1663530
Pneumatic socket with valve	1676776	1663543		
Pneumatic plug	1676750	1663488	1663491	1663501

Dummy module	
	
Module slots	1
Female / male	1414353

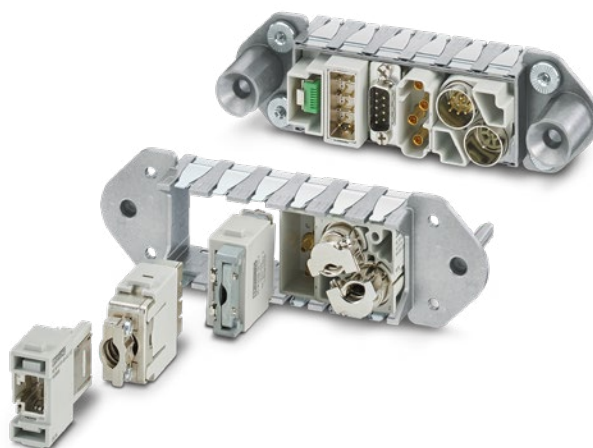
Frames for modular contact inserts

	Description	Size			
		B06	B10	B16	B24
For panel-mount side (a, b, c, ...)		Module slots			
		2	3	4	6
	Module carrier frame	1182085	1182088	1182090	1182094
	Module carrier frame Click-in latching	1721366	1721372	1721378	1721377
	Docking frame	1051224	1051225	1051226	1051227
	Slim docking frame			1691154	1691156
For sleeve side (A, B, C, ...)		Module slots			
		2	3	4	6
	Module carrier frame	1182087	1182089	1182093	1182095
	Module carrier frame Click-in latching	1721367	1721370	1721373	1721376
For insertion side (A, B, C, ...)		Module slots			
		2	3	4	6
	Docking frame	1051190	1051204	1051221	1051222
	Slim docking frame			1691153	1691155

	Description	Size
		D15
For panel-mount side (a, b, c, ...)		Module slots
		1
	Module carrier frame	1062122

Blind plugging: Docking frames for modular connections

HEAVYCON docking frames allow the time-saving installation and maintenance of slide-in systems. The floating sockets and the leading guide pin on the docking frame enable the reliable and blind contacting of connections in areas where the interfaces cannot be seen. The robust frame is assembled with modular contact inserts. You can create your customized interface by combining various different transmission media in the same frame.



Crimp contacts

	Contact diameter	For cross-section	Silver			Gold	
CK9,5-ED, turned			Female	Male			
	9.5 mm	120 mm² / 40 AWG	1682071	1682077			
		95 mm² / 30 AWG	1682075	1682079			
		70 mm² / 20 AWG	1682080	1682086			
		16 mm² / 6 AWG	1682085	1682095			
		25 mm² / 4 AWG	1682084	1682091			
		35 mm² / 2 AWG	1682082	1682089			
		50 mm² / 1 AWG	1682081	1682088			
CK8,0-ED, turned			Female	Male			
	8 mm	10 mm² / 8 AWG	1550059	1550060			
		16 mm² / 6 AWG	1550058	1550050			
		25 mm² / 4 AWG	1550056	1550057			
		35 mm² / 2 AWG	1550052	1550053			
CK6,0-ED, turned			Female	Male			
	6 mm	6 mm² / 10 AWG	1556218	1559523			
		10 mm² / 8 AWG	1556213	1682067			
		16 mm² / 6 AWG	1559522	1682094			
		25 mm² / 4 AWG	1682092	1682093			
CK4,0-ED, turned			Female	Male			
	4 mm	1.5 mm² / 16 AWG	1663271	1663239			
		2.5 mm² / 14 AWG	1663284	1663242			
		4 mm² / 12 AWG	1663297	1663255			
		6 mm² / 10 AWG	1663307	1663268			
		10 mm² / 8 AWG	1586183	1586198			
CK2,5-ED, turned			Female	Male	Male	Female	Male
			Lagging				
	2.5 mm	0.5 mm² / 20 AWG	1663640	1663572		1674859	1674804
		0.75 mm² / 18 AWG		1663585		1663653	
		1 mm² / 18 AWG	1663666	1663598	1663857	1674833	1674781
		1.5 mm² / 16 AWG	1663679	1663608	1663860	1674820	1674778
		2.5 mm² / 14 AWG	1663682	1663611	1663873	1674862	1674817
		4 mm² / 12 AWG	1663705	1663637		1674846	1674794
		3 mm² / 12 AWG	1663695	1663624			

Crimping pliers					
	Crimping tools	Item no.	Cross-section range		Recommended use
			mm²	AWG	
	CRIMPFOX-TC HC 4	1297083	0.14 ... 4	26 ... 12	Turned contacts CK1,6; CK2,5; CK4,0
	CRIMPFOX-TC HC 10	1314533	6 ... 10	10 ... 8	Turned contacts CK4,0; CK6,0
	CRIMPFOX-P CK 1.6 ER 2.5 OIC-L Parallel crimping pliers	1069228	0.34 ... 2.5	22 ... 14	Rolled contacts CK1,6
	CRIMPFOX-TC MP-6 Digital “four-mandrel” crimping pliers	1202888	0.14 ... 4	26 ... 10	Turned contacts CK1,6; CK2,5; CK4,0

	Contact diameter	For cross-section	Silver			Gold	
CK1,6-ED, turned			Female	Male		Female	Male
	1.6 mm	0.14 mm² ... 0.37 mm² / 26 AWG ... 22 AWG	1663394	1663336		1674969	1674901
		0.5 mm² / 20 AWG	1663404	1663349		1674480	1672453
		0.75 mm² / 18 AWG	1663417	1663352		1672440	1674914
		0.75 mm² ... 1 mm² / 18 AWG	1663420	1663365		1674943	1674888
		1.5 mm² / 16 AWG	1663433	1663378		1674930	1674875
		2.5 mm² / 14 AWG	1663446	1663381		1674985	1674927
CK 1,6-BR, punched, taped product			Female	Male		Female	Male
	1.6 mm	0.34 mm² ... 1 mm² / 22 AWG ... 17 AWG	1004381	1004380		1907604	1904650
		1.5 mm² ... 2.5 mm² / 16 AWG ... 14 AWG	1004383	1004382		1904646	1904651
CK 1,6-ER, punched, single			Female	Male		Female	Male
	1.6 mm	0.34 mm² ... 1 mm² / 22 AWG ... 17 AWG	1004362	1004360		1904649	1904652
		1.5 mm² ... 2.5 mm² / 16 AWG ... 14 AWG	1004366	1004365		1904648	1907605

	Contact diameter	For cross-section	Gold	
D-SUB			Female	Male
	1 mm	0.08 mm² ... 0.12 mm² / 28 AWG ... 24 AWG	1418787	1418784
		0.2 mm² ... 0.5 mm² / 24 AWG ... 20 AWG	1418788	1418786
Coaxial contact, 75 Ω			Koax	Koax
	4.8 mm	0.2 mm² / 24 AWG	1655616	1655629
Coaxial contact, 50 Ω			Koax	Koax
	4.8 mm	0.8 mm² / 18 AWG	1655577	1655580

	Contact diameter	For cross-section	Iron		CuNi	
Special CK2,5 contacts, iron-constantan			Female	Male	Female	Male
	2.5 mm	0.5 mm ² / 20 AWG	1585773	1585760	1585757	1585744

	Contact diameter	POF diameter / cable sheath	Nickel silver	
POF			Female	Male
	1.6 mm	1 mm / 2.2 mm	1885004	1884995

Connector housings

2

Flexible even under the harshest operating conditions

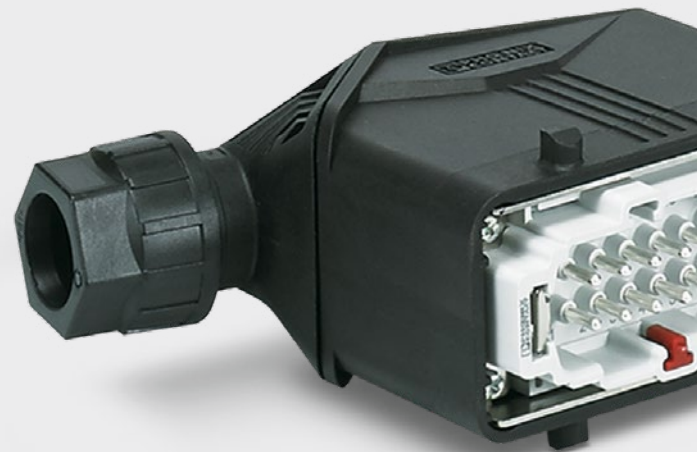
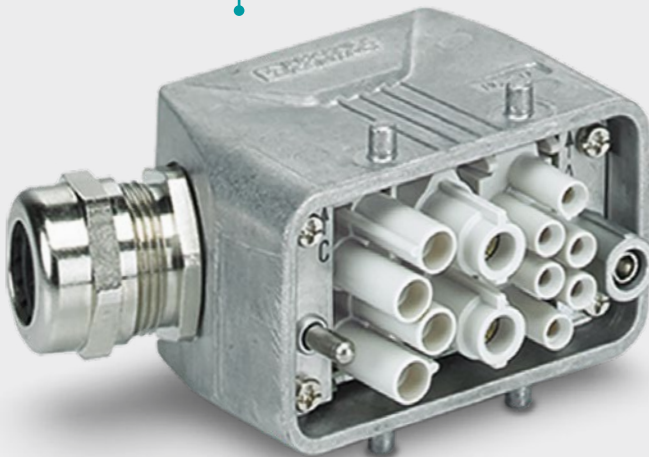
Heavy-duty connectors from the HEAVYCON COMPLETE series protect your interfaces and ensure the reliable transmission of power, data, and signals even under very harsh conditions. They are resistant to dirt, water, vibrations, and high mechanical stresses and are tight up to IP69 degree of protection. Create the right connection for your requirements every time using the freely combinable housings from our three series and the matching contact inserts.

HEAVYCON STANDARD – proven versatility

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

- High corrosion resistance
- Single or double locking latch
- Mounting and plug-in compatible
- IP66/IP67

➤ More information starting on page 32



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 material and storage costs
- Flexible single or double locking latch
- Mounting and plug-in compatible

➤ More information starting on page 42

HEAVYCON ADVANCE – robust without compromise

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

- Ideal for increased environmental requirements
- Cost advantage due to direct mounting
- Mounting compatible
- IP68/IP69

➤ More information starting on page 48



HEAVYCON HPR

The powder-coated HPR housings are especially suitable for outdoor use on a rail vehicle. They satisfy the stringent requirements of the railway industry.

➤ More information starting on page 51



HEAVYCON accessories

The comprehensive product range of cable glands, adapters, and protective covers supports you in the safe and reliable installation of your HEAVYCON connectors.

➤ More information starting on page 52

HEAVYCON STANDARD

Proven versatility

HEAVYCON STA housings provide the right interface for every application. The broad portfolio includes three sizes – B, D, and COM – in die-cast aluminum and plastic with various cable outlet directions and locking mechanisms. Combine the sleeve housings with a panel-mount base, surface mounting housing, or coupling housing according to your requirements.



Your advantages

- ✓ Resistant to vibrations and high mechanical stresses
- ✓ Reliable in harsh environments due to robust housings with IP66/IP67 degree of protection
- ✓ Protection against electromagnetic interference with conductive surfaces and seals
- ✓ Housings are mounting and plug-in compatible with aluminum housings from well-known manufacturers

Your advantages in detail



Compact housing versions

The compact design of the HEAVYCON COM housings enables easy and reliable cabling of decentralized structures 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. Both round and square panel cutouts are possible.



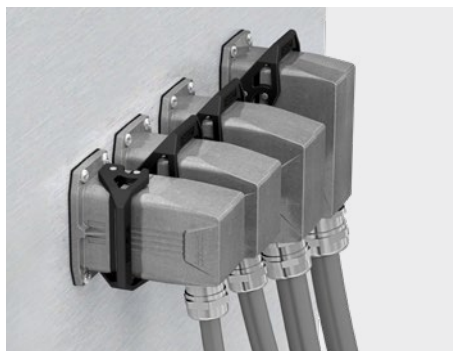
Narrow housing designs

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



Extra-large housings

Sizes B32 and B48 accommodate two contact inserts side by side. They are particularly suitable for high-position supply lines. Tall sleeve and surface mounting housings with cable outlets up to M50 provide more room for wiring large cable diameters and cable bundles.



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

Choose the appropriate option from our wide range of housings. We offer sleeve housings with straight or lateral cable outlet for all common metric and Pg thread sizes.

HEAVYCON STANDARD housings in size D7

	Cable outlet	Thread	Housing material	
			Plastic	Metal
Sleeve housings for single locking latch				
	Straight	M20	1419255	1419229
		M25	1419256	1419231
		Pg11		1419232
	Lateral	M20	1419257	1419235
		M25	1419258	1419236
		Pg11		1419237

	Protective cover	Special feature	Thread	Housing material	
				Plastic	Metal
Panel-mount bases with single locking latch					
 	Without cover	Straight		1419265	1419249
		Angled		1419266	1419252
	With cover	For pin inserts		1419278	1419250
		For socket inserts		1419277	1419251

Screw-in housing for round panel cutouts, with single locking latch					
	With cover	For socket inserts, straight	M32	1672252	1672261
		For pin inserts, straight		1672254	1672263
	Without cover	Straight	M25	1672258	1672265
			M32	1672255	1672264
		Angled	M25	1672251	1672260

Surface mounting housings with single locking latch					
	Without cover	Open base	M20	1419267	1419253
			Pg11		1419233
		Closed base	M20	1419268	1419234
			Pg11		1419241

Coupling housings with single locking latch					
	Without cover		M20	1419259	1419238
			M25	1419260	1419239
			Pg11		1419240
	With cover	For pin inserts	M20	1419263	1419246
			M25	1419264	1419247
			Pg11		1419248
		For socket inserts	M20	1419261	1419243
			M25	1419262	1419244
			Pg11		1419245

Feed-through housings with single locking latch					
	Without cover		M20	1419269	1419242

HEAVYCON STANDARD metal housings in size D15, D25, D50

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Connector housings

	Cable outlet	Installed height	Thread	Size		
				D15	D25	D50
Sleeve housings for single locking latch						
	Straight	Short	M20	1424350	1424381	
			Pg13.5	1424352		
			Pg16		1424383	
		Tall	M25	1424351	1424382	1424408
			M32			1424409
			Pg16	1424353	1424384	
			Pg21	1424358	1424385	1424410
			Pg29			1424411
	Lateral	Short	M20	1424345	1424376	
			M25			1424402
			Pg16	1424347	1424378	
			Pg21			1424405
		Tall	M25	1424346	1424377	1424403
			M32			1424404
Pg16			1424348	1424379		
Pg21			1424349	1424380	1424406	
Pg29			1424407			

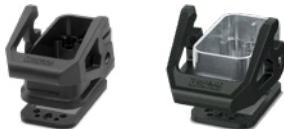
	Protective cover	Installed height	Thread	Size		
				D15	D25	D50
Panel-mount bases with single locking latch						
	Without cover			1424362	1424391	1424412
	With cover			1424363	1424390	

Surface mounting housings with single locking latch						
	Without cover	Short	M20	1424364	1424392	
			M25	1424365	1424393	
			Pg16	1424366	1424394	
			Pg21	1424367	1424395	
		Tall	M25			1424413
			M32			1424414
			Pg21			1424415
			Pg29			1424416
	With cover	Short	M20	1424369	1424396	
			M25	1424371	1424397	
			Pg16	1424372	1424398	
			Pg21	1424373	1424399	

Coupling housings with single locking latch						
	Without cover	Tall	M25	1424361	1424387	
			Pg16	1424360	1424389	

HEAVYCON STANDARD metal housings in size COMPACT (COM)

	Cable outlet	Thread	Housing material	
			Plastic	Metal
Sleeve housings for single locking latch				
	Straight	M25	1012520	1078590
		M32	1472649	
			1513754 ¹⁾	
		3/4 inch NPT	1775962	
	Lateral	M25	1012581	1078592

	Cable outlet	Protective cover	Installed height	Thread	Housing material	
					Plastic	Metal
Panel mounting bases with single locking latch, straight						
		Without cover			1012538	1078594
Panel mounting bases with single locking latch, angled						
		Without cover			1012433	1078593
Surface mounting housings with single locking latch						
	Lateral	Without cover	Tall	M25	1079393	1078596
Coupling housings with single locking latch						
	Straight	Without cover	Tall	M25	1012521	1078595

¹⁾With external strain relief

HEAVYCON STANDARD metal housings in size B

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Connector housings

	Cable outlet	Installed height	Thread	Size		
				B10	B16	B24
Sleeve housings with double locking latch						
	Straight	Short	M20	1412637		
			M25	1412638	1412738	1412799
			M32		1412739	1412800
			Pg16	1412639	1412740	1412801
			Pg21	1412640	1412741	1412802
			Pg29			1412803
		Tall	M25	1412612		
			M32	1412613	1412708	1412769
			M40		1412709	1412770
			Pg21	1412614	1412715	1412771
	Lateral	Short	Pg29	1412615	1412716	1412772
			M20	1412633		
			M25	1412634	1412733	1412793
			M32		1412734	1412795
			Pg16	1412635	1412735	1412796
		Tall	Pg21	1412636	1412737	1412797
			M25	1412608		
			M32	1412609	1412703	1412764
			M40		1412704	1412766
			Pg21	1412610	1412705	1412767
			Pg29	1412611	1412706	1412768
			Variable	Short		1420034
Tall	1420035	1420044		1420047		

	Protective cover	Installed height	Thread	Size		
				B10	B16	B24
Panel-mount bases for double locking latch						
	With cover			1411323	1411328	1411332
Surface mounting housings for double locking latch						
	With cover	Short	M20	1412830		
			M25	1412831	1412849	1412869
			M32		1412850	1412870
			Pg16	1412832	1412852	
			Pg21		1412853	1412871

HEAVYCON STANDARD metal housings in size B

	Cable outlet	Installed height	Thread	Size			
				B10	B16	B24	B32
Sleeve housings for double locking latch							
	Straight	Short	M20	1412620			
			M25	1412621	1412721	1412778	
			M32		1412722	1412779	
			Pg16	1412622	1412723	1412780	
			Pg21	1412623	1412724	1412781	
		Tall	M25	1412596			
			M32	1412597	1412653	1412754	1424830
			M40		1412654	1412099	1424831
			M50		1082552		1424832
			Pg21	1412598	1412669	1412755	
			Pg29	1412599	1412678	1412756	1424827
			Pg36				1424828
			Pg42				1424829
			Lateral	Short	M20	1412616	
	M25	1412617			1412717	1412773	
	M32				1412718	1412774	
	Pg16	1412618			1412719	1412775	
	Pg21	1412619			1412720	1412776	
	Tall	M25		1412592			
		M32		1412593	1412649	1412750	1424836
		M40			1412650	1412751	1424837
		M50			1082551		1424838
		Pg21		1412594	1412651	1412752	
		Pg29		1412595	1412652	1412753	1424833
		Pg36					1424834
		Pg42					1424835
		Variable		Short		1419972	1419999
	Tall		1419979	1420000		1420011	

HEAVYCON STANDARD metal housings in size B

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Connector housings

	Protective cover	Installed height	Thread	Size			
				B10	B16	B24	B32
Panel-mount bases with double locking latch							
	Without cover			1411322	1411327	1411331	1424845
Surface mounting housings with double locking latch							
	Without cover	Short	M20	1412835			
			M25	1412836	1412855	1412873	
			M32		1412856	1412874	
			Pg16	1412837			
			Pg21	1412838	1412857	1412875	
		Pg29		1412860	1412876		
		Tall	M25	1082598	1082600	1082603	
			M32	1082599	1082601	1082604	1424848
			M40	1083164	1082602	1082605	1424849
			Pg29				1424846
	Pg36					1424847	
Coupling housings with double locking latch							
	Without cover	Tall	M20	1412578			
			M25	1412579	1412641		
			M32	1412580	1412642	1412742	1424842
			M40			1412743	1424843
			M50				1424844
			Pg16	1412581			
			Pg21	1412582	1412643	1412744	
			Pg29	1412583	1412644	1412745	1424839
			Pg36				1424840
			Pg42				1424841

HEAVYCON STANDARD metal housings in size B

	Cable outlet	Installed height	Thread	Size						
				B06	B10	B16	B24	B48		
Sleeve housings for single locking latch										
	Straight	Short	M20	1412574	1412629					
			M25	1412575	1412630	1412729	1412788			
			M32			1412730	1412789			
			Pg13.5	1412576						
			Pg16	1412577	1412631	1412731	1412790			
			Pg21		1412632	1412732	1412791			
		Tall	M25	1412566	1412604					
			M32	1412567	1412605	1412689	1412761	1424854		
			M40			1412700	1412098	1424855		
			M50					1424856		
			Pg21	1412568	1412606	1412701	1412762			
			Pg29	1412569	1412607	1412702	1412763	1424851		
			Pg36					1424852		
			Pg42					1424853		
	Lateral	Short	M20	1412570	1412624					
			M25	1412571	1412625	1412725	1412783			
			M32			1412726	1412784			
			Pg13.5	1412572						
			Pg16	1412573	1412627	1412727	1412785			
			Pg21		1412628	1412728	1412786			
		Tall	M25	1412562	1412600					
			M32	1412563	1412601	1412679	1412757	1424860		
			M40			1412682	1412758	1424861		
			M50					1424862		
			Pg21	1412564	1412602	1412683	1412759			
			Pg29	1412565	1412603	1412684	1412760	1424857		
			Pg36					1424858		
			Pg42					1424859		
			Variable	Short		1419900	1419902	1419905	1419937	
				Tall		1419901	1419903	1419934	1419957	

HEAVYCON STANDARD metal housings in size B

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

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



Your advantages

- ✓ Safe and reliable use with IP66 degree of protection and IK08/09 impact resistance
- ✓ Straight or lateral cable outlet direction with the flexible bayonet lock
- ✓ Housings are mounting and plug-in compatible with aluminum housings from well-known manufacturers

Your advantages in detail



Fiberglass-reinforced plastic

The plastic housing versions are as reliable as the metal versions due to degree of protection IP66, impact strength IK08/IK09 and a high temperature range of -40 to +125°C.



Reduced number of versions

HEAVYCON EVO housings reduce the number of versions, and therefore your storage 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.



Flexible in a small installation space

The M1 single-module housings made of plastic accommodate a modular contact insert and a PE module. This enables a particularly compact interface.



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

With the flexible bayonet locking, you can determine the cable outlet direction on site and subsequently change it, if required. You can choose between a straight or lateral outlet. With the EVO TWIN housings, you can install two flexible cable outlets on one plastic housing.

HEAVYCON EVO plastic housings in size M1

	Cable outlet	Protective cover	Installed height	Thread	Size
					M1
Sleeve housings for single locking latch					
	Straight	Without cover	Tall	Bayonet D, plastic	1424436
Panel-mount bases with single locking latch					
		Without cover			1424437

HEAVYCON EVO M1 single-module housings

The M1 single-module housings made of plastic accommodate a modular contact insert and a PE module. This enables a particularly space-saving interface.

The HEAVYCON EVO M1 connectors offer a very compact, robust, and flexible connection for cabling decentralized structures and in applications with limited space. The use of HEAVYCON modular contact inserts, including with Push-in connection, enables quick, tool-free installation. The comprehensive product

range of contact insert modules ensures the right solution for every application. We offer individual modules for currents of up to 100 A, voltages of up to 1,000 V, signal transmission up to 25-positions, reliable data transfer, and inserts for pneumatic applications. With the flexible bayonet lock of the cable gland, the cable outlet direction can be determined on site and changed again later. You can choose between a straight or lateral outlet.

You will find the complete portfolio of modular contact inserts starting on page 18.



High degree of flexibility in a small installation space with the HEAVYCON EVO M1 housing

HEAVYCON EVO plastic housings in size D

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Connector housings

	Protective cover	Thread	Size	
			D15	D25
Sleeve housings for single locking latch				
	Without cover	Bayonet D, plastic	1411340	1411347
Panel-mount bases with single locking latch				
	Without cover		1411336	1411344
	With cover		1411337	1411345
Surface mounting housings with single locking latch				
	Without cover	M20	1421463	1421466
		M25	1411341	1411348
	With cover	M20	1421465	1421467
		M25	1411343	1411349
Coupling housings with single locking latch				
	Without cover	Bayonet D, plastic	1411338	1411346

HEAVYCON EVO plastic housings in size B

	Cable outlet	Protective cover	Installed height	Thread	Size		
					B10	B16	B24
Sleeve housings with double locking latch							
	Straight	Without cover	Short	Bayonet B, plastic	1407630	1420933	1420936
			Tall		1407631	1407644	1407658
Panel-mount bases for double locking latch							
		With cover			1407635	1407649	1407662
Surface mounting housings for double locking latch							
	Lateral	With cover	Tall	M20	1421362		
				M25	1421320	1421458	1421462
				M32	1407639	1421366	1421380
				M40		1407653	1407666
	Cable outlet	Protective cover	Installed height	Thread	Size		
					B10	B16	B24
Sleeve housings for double locking latch							
	Straight	Without cover	Short	Bayonet B, plastic	1407628	1420932	1420935
			Tall		1407629	1407643	1407657
Sleeve housings for double locking latch with two cable outlets							
	Straight	Without cover	Tall	Bayonet B, plastic	1411495	1411496	1411497
Panel-mount bases with double locking latch							
		Without cover			1407634	1407648	1407661
Surface mounting housings with double locking latch							
	Lateral	Without cover	Tall	M20	1421356		
				M25	1421304	1421455	1421461
				M32	1407638	1421365	1421370
				M40		1407652	1407665

HEAVYCON EVO plastic housings in size B

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Connector housings

	Cable outlet	Protective cover	Installed height	Thread	Size		
					B10	B16	B24
Coupling housings with double locking latch							
	Straight	Without cover	Tall	Bayonet B, plastic	1407641	1407655	1407668

	Cable outlet	Protective cover	Installed height	Thread	Size			
					B06	B10	B16	B24
Sleeve housings for single locking latch								
	Straight	Without cover	Short	Bayonet B, plastic	1407619	1407626	1420931	1420934
			Tall		1407620	1407627	1407642	1407656

Sleeve housings for single locking latch with two cable outlets								
	Straight	Without cover	Tall	Bayonet B, plastic	1420930			

Panel-mount bases with single locking latch								
		With cover			1407622	1407633	1407647	1407660
		Without cover			1407621	1407632	1407646	1407659

Surface mounting housings with single locking latch									
	Lateral	With cover	Tall	M20	1421329				
				M25	1421244	1421301	1421382	1421460	
				M32	1407624	1407637	1421364	1421369	
				M40			1407651	1407664	
		Without cover		M20	1421322	1421354			
				M25	1421229	1421277	1421381	1421459	
				M32	1407623	1407636	1421363	1421367	
				M40			1407650	1407663	

Coupling housings with single locking latch								
	Straight	Without cover	Tall	Bayonet B, plastic	1407625	1407640	1407654	1407667

HEAVYCON ADVANCE

Robust without compromise

HEAVYCON ADVANCE housings with screw locking mechanism are suitable for particularly aggressive surroundings, e.g., in offshore areas or the chemical or railway industry. Sensitive interfaces are reliably protected, even against electromagnetic interference.

The panel-mount base that is normally used is replaced by two panel-mount flanges. With this method, the sleeve housing forms a seal directly on the control cabinet panel.



Your advantages

- ✓ Save space and costs, as no panel-mount base is required
- ✓ Safe and reliable use with up to IP69 degree of protection and IK09 impact resistance
- ✓ Protection against electromagnetic interference with conductive surfaces and seals

Your advantages in detail

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Connector housings



For all applications

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



Robust screw locking mechanism

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



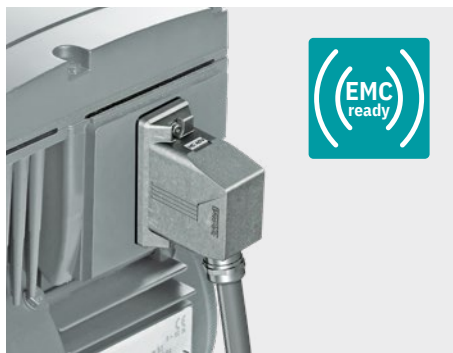
Save space without a panel-mount base

HEAVYCON ADVANCE eliminates the need for the panel-mount base that is normally used on the device side. The housings are therefore particularly durable, robust, and space-saving.



Cost-effective designs

With no panel-mount base required, you save on mounting and material costs. The low-profile designs of the metal housings and the 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 provide reliable EMC protection.



For aggressive environmental conditions

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

HEAVYCON ADVANCE housings in size B

	Cable outlet	Protective cover	Installed height	Thread	Size			
					B06	B10	B16	B24
Sleeve housings with screw locking mechanism, plastic								
	Straight	Without cover	Tall	M20	1404222			
				M25	1404225	1404227		
				M32		1404229	1404231	1404235
				M40			1404233	1404238
	Lateral			M20	1404224			
				M25	1404226	1404228		
				M32		1404230	1404232	1404237
				M40			1404234	1404239
Sleeve housings with screw locking mechanism, metal								
	Straight	Without cover	Short	M20	1413362	1413388		
				M25	1413364	1413390	1414975	1414982
			Tall	M25	1413374	1413400	1414977	1414980
				M32	1413376	1413402	1413416	1413430
	M40				1072331	1413418	1413432	
	Lateral		Short	M20	1413363	1413389		
				M25	1413365	1413391	1414976	1414983
			Tall	M25	1413375	1413401	1414978	1414981
				M32	1413377	1413403	1413417	1413431
				M40			1413419	1413433
			Variable	Short		1420048	1420051	1420053
	Tall			1420050		1420052	1420054	1420056
Sleeve housings with screw locking mechanism, for outdoor applications								
	Straight	Without cover	Short	M20	1420904	1420912		
				M25	1420905	1420913	1420921	1420929
			Tall	M25	1420900	1420908	1420917	1420925
				M32	1420901	1420909	1420918	1420926
	M40					1420919	1420927	
	Lateral		Short	M20	1420902	1420910		
				M25	1420903	1420911	1420920	1420928
			Tall	M25	1420898	1420906	1420914	1420922
				M32	1420899	1420907	1420915	1420923
				M40			1420916	1420924
Panel-mount flanges								
	Single, without screws			1686533				
	Set of 2, with screws			1604638				

HEAVYCON HPR housings for railway applications

Connectors for rail vehicles

The HEAVYCON HPR housing is intended for use in transport and transportation technology. The sleeve housings, panel-mount bases, and surface mounting housings conform to the established standard for the safe transmission of signal and power circuits on rail vehicles. With the special powder coating and UV-resistant seals, they can withstand aggressive environmental conditions.

The robust screw locking mechanism offers reliable vibration and shock resistance in accordance with IEC 61373/ EN 50155. The IP68/IP69K degree of protection ensures reliable protection against water and dirt.



	Cable outlet	Thread	Size				
			D7	B06	B10	B16	B24
Sleeve housings with screw locking mechanism							
	Straight	M20	1424638	1411879			
		M25	1424639	1411106	1411882		
		M32			1411067	1411059	1411888
		M40				1411885	1411062
		M50					1810004
	Lateral	M20		1411878			
		M25		1411119	1411881		
		M32			1411070	1411058	1411887
		M40				1411884	1411061
		M50					1810005

	Protective cover	Thread	Size				
			D7	B06	B10	B16	B24
Panel-mount bases for screw locking mechanism, straight							
	Without cover		1424637	1411122	1411083	1411060	1411055
Panel-mount bases for screw locking mechanism, angled							
	Without cover		1424635				
Surface mounting housings for screw locking mechanism							
	Without cover	M20	1424641	1411880			
		M25		1411135	1411883		
		M32			1411096	1411054	1411889
		M40				1411886	1411063
		M50					1810003

Accessories for HEAVYCON connector housings

Cable glands and protective covers

The comprehensive HEAVYCON range of accessories ensures safe and durable installation in every application.

Cable glands and adapters

The reliable seal and strain relief of the cable outlet on the HEAVYCON housing is made possible by our cable glands made of polyamide or brass. For shielded cables, EMC cable glands are available with elastic shield contact springs. Cable glands with slotted or two-piece seal allow the easy and tight insertion of preassembled cables.

Protective cover

Reliably protect your interfaces against dirt and water during transport or prior to mounting. We offer different protective covers for each HEAVYCON housing series.



EVO cable gland with bayonet lock			
			
Clamping range	EVO D housing	EVO B housing	EVO B housing Multigland
	PA	PA	PA
Variable			1345614
			1345618
			1345613
7 mm ... 13 mm	1411350	1407669	
9 mm ... 17 mm	1411351	1407670	
11 mm ... 21 mm		1407671	
19 mm ... 28 mm		1407672	

EVO thread adapter with bayonet lock		
		
Thread	EVO D housing	EVO B housing
	PA	PA
M20		1414243
M25	1411352	1414244
M32		1414245
M40		1414246
Pg13.5		1414247
Pg16	1411353	1414248
Pg21		1414249
Pg29		1414250

Thread adapter with NPT for HC-EVO with bayonet lock	
	
Thread	EVO B housing
	PA
1/2 inch NPT	1414251
3/4 inch NPT	1414252
1 inch NPT	1414253
1 1/4 inch NPT	1414254

Cable glands

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Connector housings

Cable glands							
							
		PA			Brass, nickel-plated		Stainless steel 1.4305
						EMC	
Thread	Clamping range	Jet black	Silver gray	Light gray	Silver colored		
M20	6 mm ... 12 mm	1411133	1411125	1414568	1411163		1424543
	9 mm ... 13 mm					1411189	
	10 mm ... 14 mm	1424481	1424476	1424471			
M25	10 mm ... 14 mm				1424527		
	11 mm ... 17 mm	1411134	1411126	1417654	1411165	1411190	1424544
	13 mm ... 18 mm	1424482	1424477	1424472			
M32	13 mm ... 18 mm				1424528		
	14 mm ... 21 mm					1411191	
	15 mm ... 21 mm	1411136	1411127	1417655	1411166		1424545
	18 mm ... 25 mm	1424483	1424478	1424473			
M40	18 mm ... 25 mm				1424529		
	19 mm ... 28 mm	1411137	1411128	1417656	1411167	1411192	1424546
	22 mm ... 32 mm	1424484	1424479	1424474			
M50	22 mm ... 32 mm				1424530		
	24 mm ... 35 mm					1411193	
	27 mm ... 38 mm				1411168		
	30 mm ... 36 mm	1411138	1411129	1417657			
Pg11	5 mm ... 10 mm	1424497	1411142	1424487	1411172	1411197	
Pg13.5	6 mm ... 12 mm	1424498	1411143	1424488	1411173	1411198	
Pg16	10 mm ... 14 mm	1424499	1411144	1424489	1411174	1411199	
Pg21	13 mm ... 18 mm	1424500	1411145	1424490	1411175	1411200	
Pg29	18 mm ... 25 mm	1424501	1411146	1424491	1411176	1411201	
Pg36	22 mm ... 32 mm	1424502	1411147	1424492	1411178	1411202	
Pg42	30 mm ... 38 mm	1424503	1411149	1424493	1411179	1411203	

Cable glands

Cable glands with strain relief					
					
					
		With external strain relief		With cable bend protection and strain relief	With strain relief clamp
		PA	Brass, nickel-plated		
Thread	Clamping range	Jet black	Silver colored		
M20	6 mm ... 13 mm	1415189	1415192		
	7.5 mm ... 15 mm			1646188	
M25	9 mm ... 17 mm	1415190	1415193		
	10 mm ... 19 mm			1646191	
M32	13 mm ... 21 mm	1415191	1415194		
	18 mm ... 27 mm			1646201	1646162
M40	16 mm ... 28 mm		1415195		
	24 mm ... 33 mm				1646175

Cable glands with bend protection				
				
		PA		Brass, nickel-plated
Thread	Clamping range	Jet black	Light gray	Silver colored
M20	6 mm ... 13 mm	1415179	1415174	1415182
M25	9 mm ... 17 mm	1415180	1415175	1415183
M32	13 mm ... 21 mm	1415181	1415176	1415184
M40	16 mm ... 28 mm			1415185

Cable glands

1

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3

Connector housings

Screw connections for PA protective hoses

						
		PA 6				
		Straight				Angled
		With strain relief				
Outside diameter	Thread	IP66	IP68 / IP69K	IP66	IP68 / IP69K	IP66
15.8 mm	M20			3240954	3240940	3240926
21.2 mm		3240898	3240884			
28.5 mm	M25			3240955	3240941	3240927
		3240899	3240885			
34.5 mm	M32			3240956	3240942	3240928
		3240900	3240886			
42.5 mm	M40			3240957	3240943	3240929
		3240901	3240887			
15.8 mm	Pg11	3240890	3240876		3240932	3240918
21.2 mm	Pg16	3240891	3240877		3240933	3240919
28.5 mm	Pg21	3240892	3240878		3240934	3240920
34.5 mm	Pg29	3240893	3240879		3240935	3240921
42.5 mm	Pg36	3240894	3240880		3240936	3240922

1 Cable glands and adapters

2

3

Connector housings

Screw connections for protective hoses with a coated spiral, made of steel or stainless steel

				
			Brass, nickel-plated	
			Can be rotated	
Outside diameter	Thread	IP65	IP40	IP65
21 mm		3240998	3241033	3241061
27 mm		3240999	3241034	3241062
36 mm		3241000	3241035	3241063
45 mm		3241001	3241036	3241064
17 mm	Pg11	3240990		3241053
21 mm	Pg16			3241054
27 mm	Pg21			3241055
36 mm	Pg29			3241056
45 mm	Pg36			3241057

Reducing adapters

		
	PA	Brass, nickel-plated
Thread	Jet black	Silver colored
M20 / M16		1647611
M25 / M20	1411232	1647624
M32 / M20	1410725	
M32 / M25	1410712	1647637
M40 / M25	1410741	
M40 / M32	1410738	1647640
Pg16 / Pg13.5		1415216
Pg21 / Pg16		1415217
Pg29 / Pg21		1415218
M20 / 1/2 inch NPT		1686847
M25 / 3/4 inch NPT		1686850
M32 / 1 inch NPT		1686863
M40 / 1 1/4 inch NPT		1687587
M40 / 1 inch NPT		1864968

Extension adapters

	
	Brass, nickel-plated
Thread	Silver colored
M16 / M20	1647653
M20 / M25	1647666
M25 / M32	1647679
M32 / M40	1647682
Pg13.5/Pg16	1415219
Pg16/Pg21	1415220
Pg21/Pg29	1415221

Protective covers for HEAVYCON STANDARD and EVO housings

	Material	Seal	Color	Size				
				D7	D15	D25	D50	COM
Protective covers for single locking latch, with retaining cord								
	PA	Yes	Black	1419270				1079397
		No	Black	1419271				1079396
	PC	Yes	Black		1346518	1346522		
Protective covers with single locking latch, with retaining cord								
	PA	Yes	Black	1419274				1079394
		No	Black	1419275				1079395
	PC	No	Black		1346521	1346523		
Protective covers for double locking latch, with retaining cord								
	PA	No	Black				1424417	
Protective covers with double locking latch, with retaining cord								
	PC	Yes	Black				1346553	
Protective covers for single locking latch, for screwing on								
	PC	No	Black		1414673	1414674		

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Connector housings

Protective covers for HEAVYCON STANDARD and EVO housings

	Material	Seal	Color	Size					
				B06	B10	B16	B24	B32	M1
Protective covers for single locking latch, with retaining cord									
	PC	No	Black	1346524	1346526	1346537	1346545		1346556
Protective covers with single locking latch, with retaining cord									
	PC	Yes	Black	1346525	1346528	1346541	1346550		
Protective covers for double locking latch, with retaining cord									
	PA	No	Black					1424850	
	PC	Yes	Black		1346529	1346543	1346551		
		No	Black		1346527	1346539	1346546		
Protective covers with double locking latch, with retaining cord									
	PC	Yes	Black		1346530	1346544	1346552	1346555	
Protective covers for single locking latch, for screwing on									
	PC	No	Black	1407692	1407693	1407694	1407695		
Protective covers with clip locking									
	PA	No	Transparent	1421100	1421101	1421102	1421103		

Protective covers for HEAVYCON ADVANCE housings

	Material	Seal	Color	Size			
				B06	B10	B16	B24
Protective covers with screw locking mechanism, with retaining cord							
	PA	Yes	Gray	1411494	1411504	1411517	1411520
Protective covers with clip locking, with retaining cord							
	PA	No	Gray	1690736	1690749	1690752	1690765

Protective covers for HEAVYCON HPR housings

	Material	Seal	Color	Size				
				D7	B06	B10	B16	B24
Protective covers with screw locking mechanism								
	Die-cast aluminum	No	Black		1418441	1418444	1418445	1418446
	Die-cast zinc	No	Black	1424636				

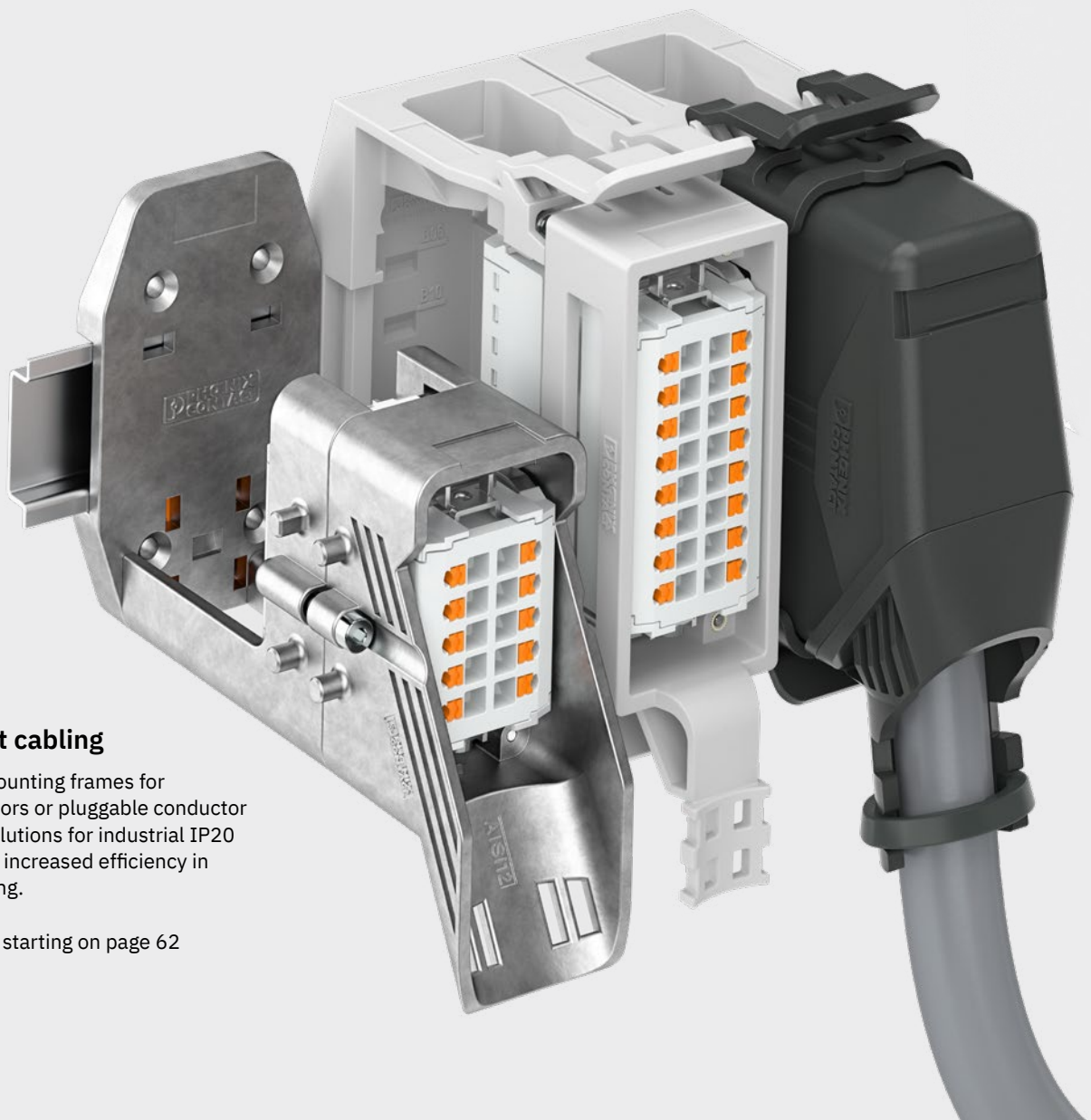
Application-specific solutions and sets

3

Tailored to your application

In addition to flexibly combinable connectors consisting of a housing and a matching contact insert, Phoenix Contact also provides application-specific solutions and ready-to-use connector sets.

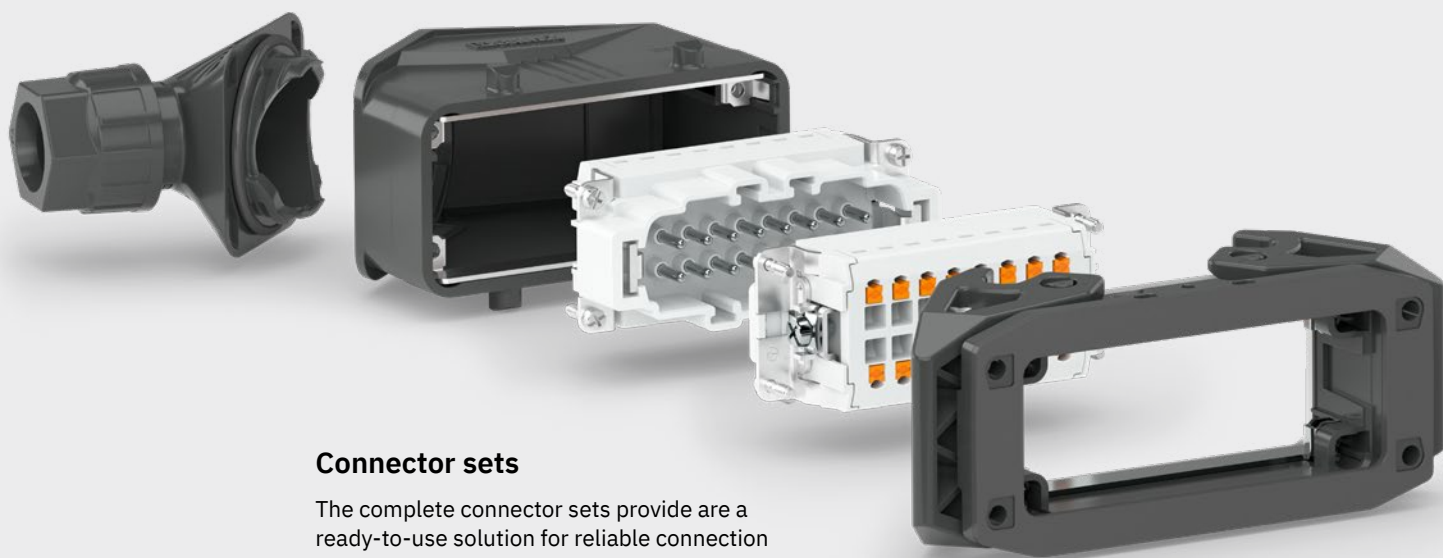
For industrial IP20 cabling in control cabinets, Phoenix Contact provides practical connection solutions that significantly simplify the wiring process. Choose the right solution for your application from a wide variety of coordinated connector sets.



Control cabinet cabling

Whether DIN rail mounting frames for heavy-duty connectors or pluggable conductor connectors – our solutions for industrial IP20 applications ensure increased efficiency in control cabinet wiring.

➤ More information starting on page 62



Connector sets

The complete connector sets provide a ready-to-use solution for reliable connection technology. They combine coordinated components in a practical set, making it easier for you to select the correct heavy-duty connector.

➤ More information starting on page 66

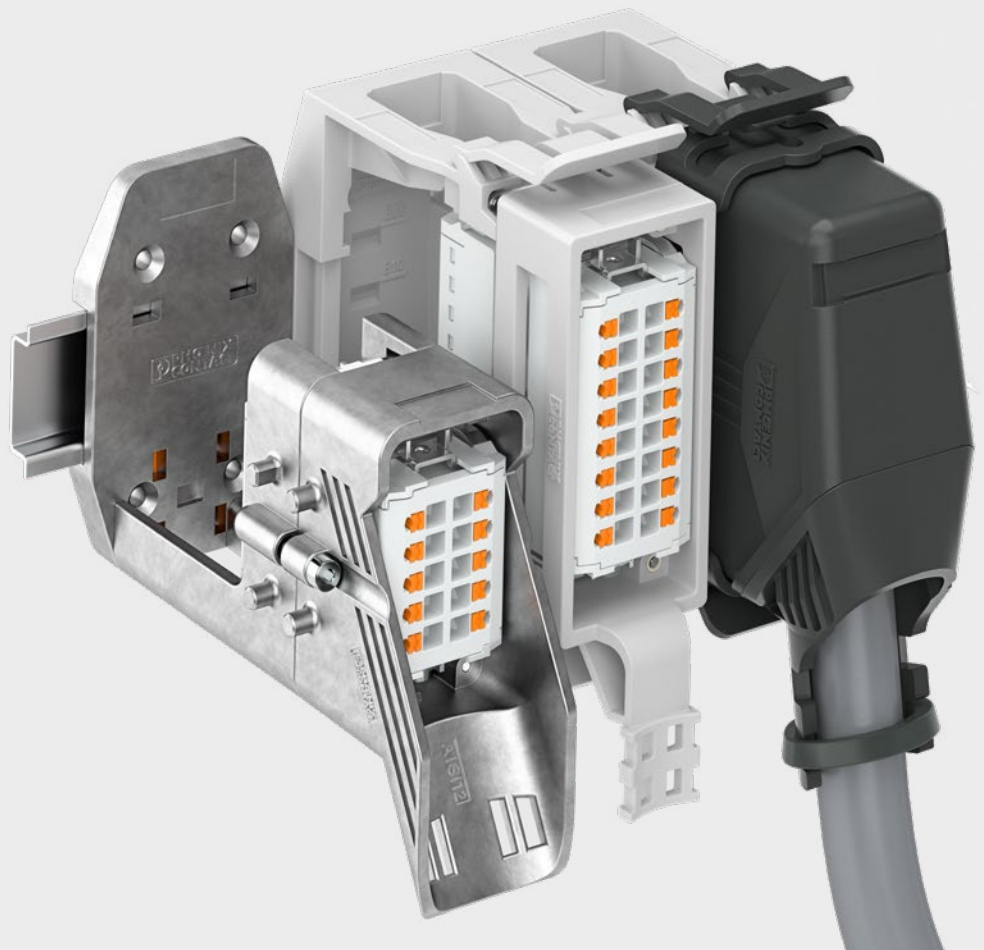
Control cabinet cabling

For maximum efficiency

Increase your productivity in control cabinet wiring processes. With the DIN rail mounting frames for heavy-duty connectors, it is easy to mount preassembled contact inserts directly on the DIN rail in the control cabinet. The HEAVYCON CME conductor connectors, enable you to assemble complete cable harnesses in advance and connect them in the control cabinet in seconds.

Your advantages

- ✓ Significant time and cost savings during control cabinet wiring
- ✓ Quick replacement of components with preassembled solutions
- ✓ Save space on the control cabinet panel by mounting preassembled contact inserts directly on the DIN rail.



DIN rail mounting frames and conductor connectors

1

2

3

Application-specific solutions and sets

	Material	Frame	Size				
			B06	2 x B06	B10	B16	B24
HC-CIF DIN rail mounting frames							
	PC	Top frame	1424334		1424335	1424336	1424337
		Base frame	1424338		1424338	1424338	1424338
	Die-cast aluminum, uncoated	Top frame		1404215	1404221	1404218	1404213
		Base frame with double locking latch			1404220	1404217	1404212
		Base frame for screw locking mechanism					1518648 ¹⁾
			1404214	1404219	1404216	1404211	

¹⁾ Without double locking latch, with a 180° hinged frame.

	Application	Design	Item no.
HC-CIF DIN rail mounting frame accessories			
	Adapter for HEAVYCON EVO housings on DIN rail mounting frames	B6 – B24	1424342
	Adapter for HEAVYCON EVO housings as an IP20 solution with strain relief	B6 – B24	1424343

HC-CME conductor connectors

HEAVYCON CME conductor connectors enable efficient wiring in the control cabinet. As early as the terminal strip manufacturing stage, up to 108 conductors can be assembled directly with the conductor connector. The cable harnesses are then simply plugged into the control cabinet. This significantly reduces the amount of mounting work required and ensures consistently structured wiring processes. Prewiring the terminal strips during manufacturing can significantly reduce time and costs. At the same time, the plug-in design enables you to replace

entire terminal strips quickly and easily. The robust locking mechanism and precise centering of the contacts also enhance process reliability and operational safety in the control cabinet.



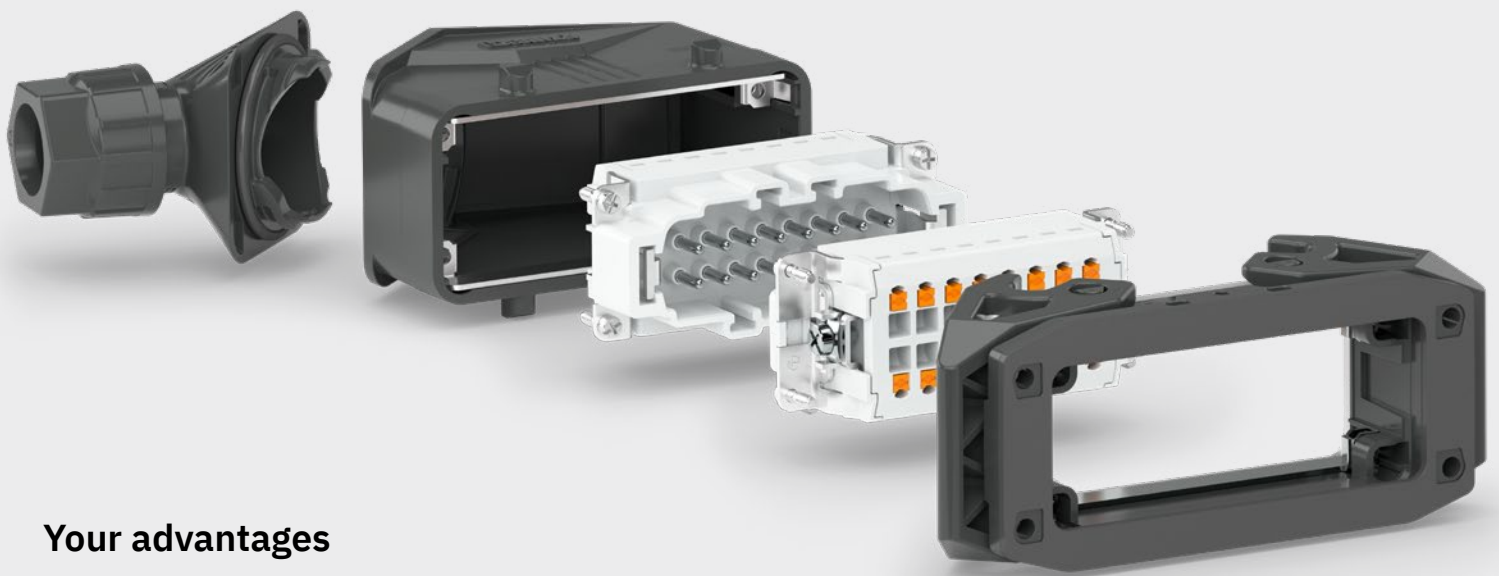
	Connection	Connection cross-section	Rated current / voltage	Version	Number of positions			
HC-CME conductor connectors					23	41	71	107
	Crimp connection	0.14 mm² ... 2.5 mm² 26 AWG ... 14 AWG	10 A / 250 V	Female	1556146	1556148	1549639	1549644
				Male	1556154	1556150	1549643	1549645

Connector sets

Convenient all-in-one solution

The connector sets for heavy-duty connectors are a practical solution for secure and robust connection technology. All components are coordinated.

Is your set not on the list yet? Upon request, we can put together a custom set for your series machines or service actions under a single item number.



Your advantages

- ✓ Reduced planning and procurement work, because housings, inserts, and screw connections are available as a set
- ✓ Reliable operation with perfectly coordinated components
- ✓ Easy installation with detailed assembly instructions available in multiple languages

Connector sets

	Rated current / voltage	External cable diameter	Connection technology	Protective cover	Cable outlet	Size				
						B06	B10	B16	B24	
						Number of positions				
B series aluminum housing						6	10	16	24	
	16 A / 500 V	6 mm ... 12 mm	Push-in	With cover	Straight	1416344				
					Lateral	1416353				
					Straight		1416345	1416348		
					Lateral		1416354	1416356		
		Without cover		Straight		1416346	1416349			
				Lateral		1416355	1416357			
				Screw	With cover	Straight		1409697	1409710	
						Lateral		1409707	1409723	
		Push-in	With cover			Straight				1416351
						Lateral				1416358
			Without cover	Straight				1416352		
				Lateral				1416359		
		15 mm ... 21 mm	Screw	With cover	Straight				1409749	
					Lateral				1409752	
				Without cover					1409778	
		6 mm ... 12 mm		With cover			1409684			
					Straight	1409671				

	Rated current / voltage	External cable diameter	Connection technology	Protective cover	Size			
					B06	B10	B16	B24
					Number of positions			
B series plastic housings					6	10	16	24
	16 A / 500 V	9 mm ... 17 mm	Push-in	With cover		1408791	1408793	
				Without cover		1407711	1407712	
		7 mm ... 13 mm		With cover	1407710			
		11 mm ... 21 mm						1408794
				Without cover				1407713

	Rated current / voltage	External cable diameter	Connection technology	Protective cover	Cable outlet	Size				
						D7		D15	D25	
						Number of positions				
D series aluminum housing						3	4	10	16	
	10 A / 230 V	6 mm ... 12 mm	Push-in	Without cover	cable_outlet		1424450			
					cable_outlet		1424452			
					Lateral	1424451				
					Straight	1424449				
			Screw	With cover		1409655				
			Screw		Lateral		1409668			
	16 A / 250 V	6 mm ... 12 mm	Push-in	Without cover	Lateral			1424457		
				With cover		Straight			1424456	
				Without cover					1424455	
				With cover	Lateral			1424458		
		Straight						1424462		
		Lateral						1424464		
					Without cover				1424463	
					Straight					1424461

	Rated current / voltage	External cable diameter	Connection technology	Protective cover	Cable outlet	Size			
						D7		D15	D25
D series plastic housings						Number of positions			
						3	4	10	16
	16 A / 250 V	7 mm ... 13 mm	Push-in	With cover	Variable			1424454	
				Without cover				1424453	
		9 mm ... 17 mm		With cover					1424460
				Without cover					1424459
	20 A / 250 V	17 mm	Screw	With cover					1411359
				Without cover					1411358
		7 mm ... 13 mm		With cover				1411357	
				Without cover				1411356	
	10 A / 230 V	4 mm ... 10 mm	Push-in	Without cover	Straight	1424445	1424446		
					Lateral	1424447	1424448		

	Material	Housing type	Category	Conductor cross-section	Connection technology	Cable outlet	Item no.
D7 RJ45 sets							
	PA	Sleeve housing	CAT6 _A	0.14 mm ² ... 0.25 mm ² 24 ... 27 AWG	Crimp connection	Straight	1249554
						Lateral	1249557
			CAT5	0.14 mm ² ... 0.25 mm ² 26 ... 24 AWG	IDC fast connection	Straight	1325999
						Straight	1249555
			—	—	Adapter for patch cables	Straight	1249556
						Lateral	1249558
		Panel-mount base	CAT6	—	Gender changer	—	1249559
	Die-cast aluminum, saltwater-resistant						1249560

Whether in machine building, automation, or during on-site service actions, the HC A3 QUICKON range ensures fast, reliable, and robust connections in industrial environments. This preassembled, complete solution, including a housing and a permanently integrated contact insert with QUICKON connection technology, enables tool-free wiring. Short installation times and a high level of wiring reliability make the

HC A3 QUICKON products ideal for field installations, maintenance, and retrofits. With 3+PE contacts, a rated current of 10 A, and a rated voltage of up to 400 V, the system is designed for typical power supply and control applications. The IP65 degree of protection and the temperature range of -25 to +80°C ensure reliable operation even under demanding conditions.



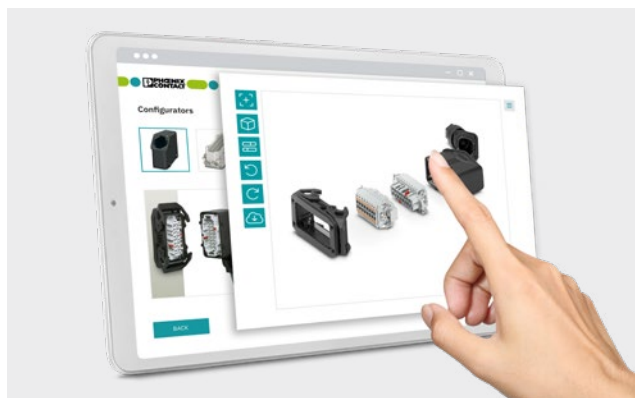
	Locking latch	Rated current / voltage	External cable diameter	Connection technology	Version	Number of positions			
QUICKON A3 plastic						3			
	With single locking latch	10 A / 400 V	6 mm ... 12 mm	IDC connection	Male	1641604			
					Female	1641617			
	For single locking latch					1641510			
								Male	1641581

Our range of services for your individual cabling

HEAVYCON online configurator

The HEAVYCON configurator provides you with ideal support when designing your tailor-made connector. With simple filter menus, 2D and 3D product images, as well as an intuitive user interface, you can configure your connectors without errors in just a few steps. You can export and transfer the item list or order your solution directly.

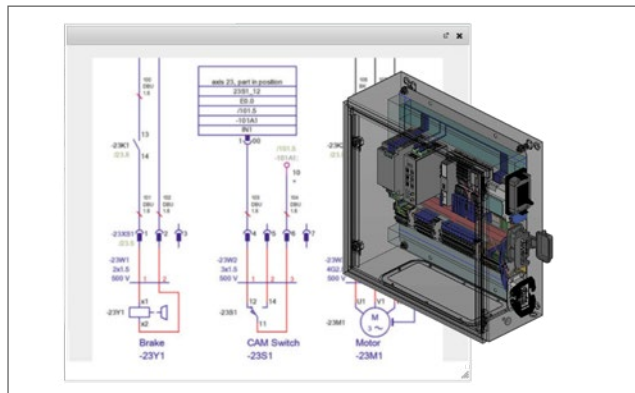
 **Web code:** #0003



EPLAN data including 3D models

If you need the current EPLAN data in the format for Eplan Electric P8, you can access it directly on our website under Service & Support/Engineering Data for control cabinet building. You will receive the product data as an EDZ file for import into the item management system, product photos, 3D models, and macros.

 **Web code:** #2406



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



Modified cable outlets

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



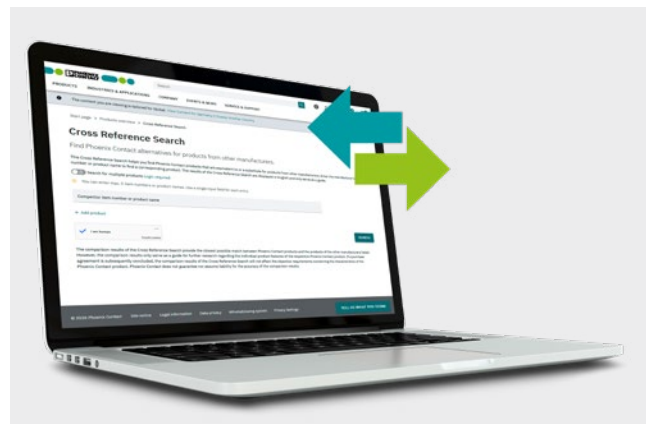
Customized sets

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 item number.



Cross Reference Search: find replacement products easily

You can use the Cross Reference Search to find Phoenix Contact products that are suitable for replacing items from other manufacturers. You can access the Cross Reference Search on our website in the Products section. Enter the item number or product name of a third-party product. The search will immediately show you compatible Phoenix Contact alternatives.



Open communication with customers and partners worldwide

Phoenix Contact is a global market leader based in Germany. We are known for producing forward-thinking products and solutions for the comprehensive electrification, networking, and automation of all sectors of the economy and infrastructure. With a global network, we maintain close relationships with our customers, something we believe is essential for our common success.

You can find your local partner at
phoenixcontact.com

