



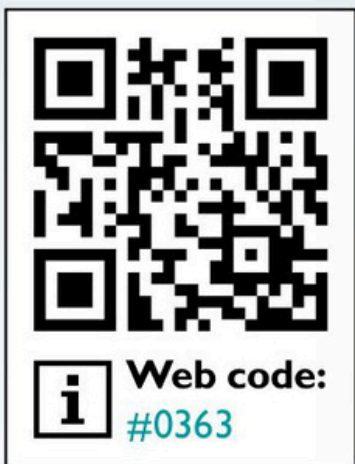
Modular rectangular connectors

Product overview 2024

Modular rectangular connectors for signals, data, and power

The VARIOCON connector system offers compact connections for transmitting currents up to 70 A and voltages up to 1,000 V in devices and junction boxes.

Modular contact inserts with screw and PCB connection, as well as fixed contact inserts with crimp connection for turned and punched contacts, are the basis of the product range. With IP68/IP69K degree of protection, the connector system offers a high degree of reliability, even under extreme conditions.



Configurator for modular rectangular connectors

The configurator uses filters and 2D / 3D product images to provide intuitive support when designing your VARIOCON connector.

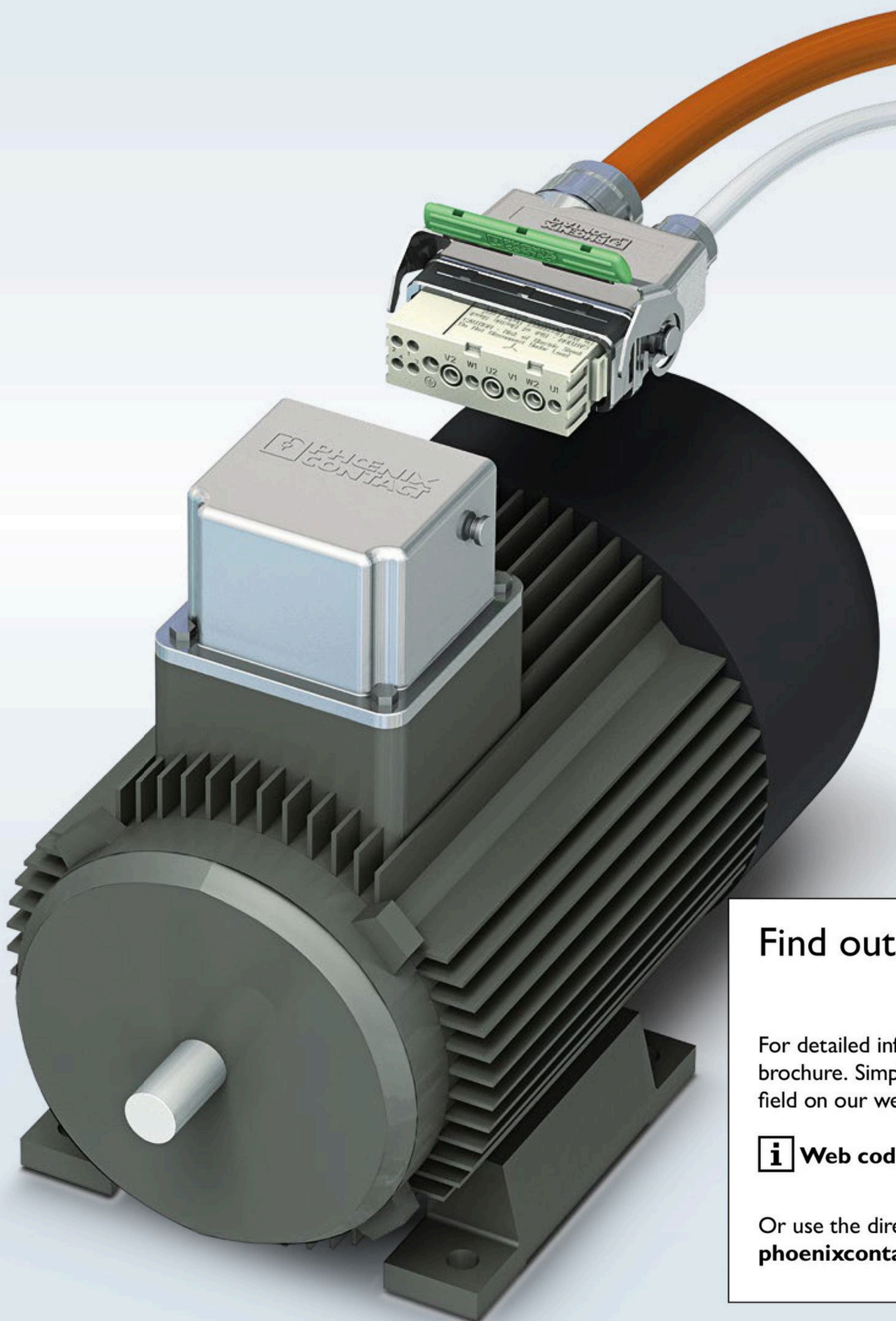


Your advantages

- ✓ Modular contact insert design
- ✓ Combination of power and signal in one connector
- ✓ Housing designs made of plastic and metal
- ✓ Nickel-plated housings available for EMC applications

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Find out more with the web code

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

i Web code: #1234 (example)

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

The right solution for every application

Whether for reliable inverters, complex conveyor systems, or state-of-the-art energy storage applications – the VARIOCON portfolio offers the right solution for every application. The VARIOCON hybrid connectors can be used for any application where power, data, and signals need to be transmitted in an IP-protected connector.



Solutions and application examples



Drive control systems

With the shielded sleeve housing, signals and data are also transmitted reliably in EMC applications.



Inverters

UV-resistant housings with IP65 degree of protection ensure reliable connection even in a robust environment.



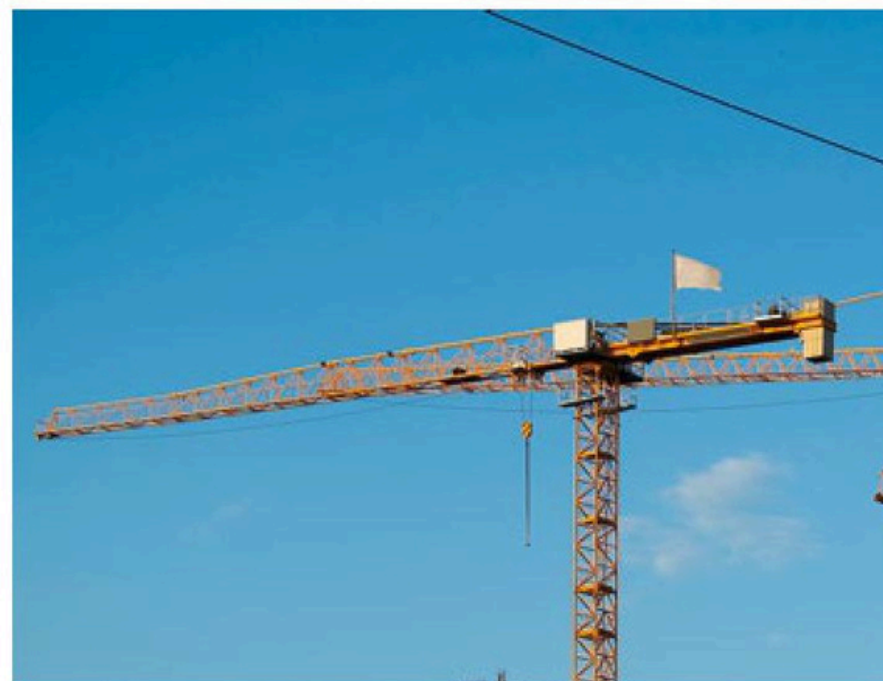
Control cabinet

A variety of base housings allow mounting on the housing panel as well as free-hanging wiring.



Battery units

Important for energy storage: power and data can be combined in one connector. The battery management system therefore knows the state of the individual modules at all times.



Cranes

Regardless of the wind or weather conditions, power and data can be transmitted without any malfunctions with the high degree of protection up to IP69K.



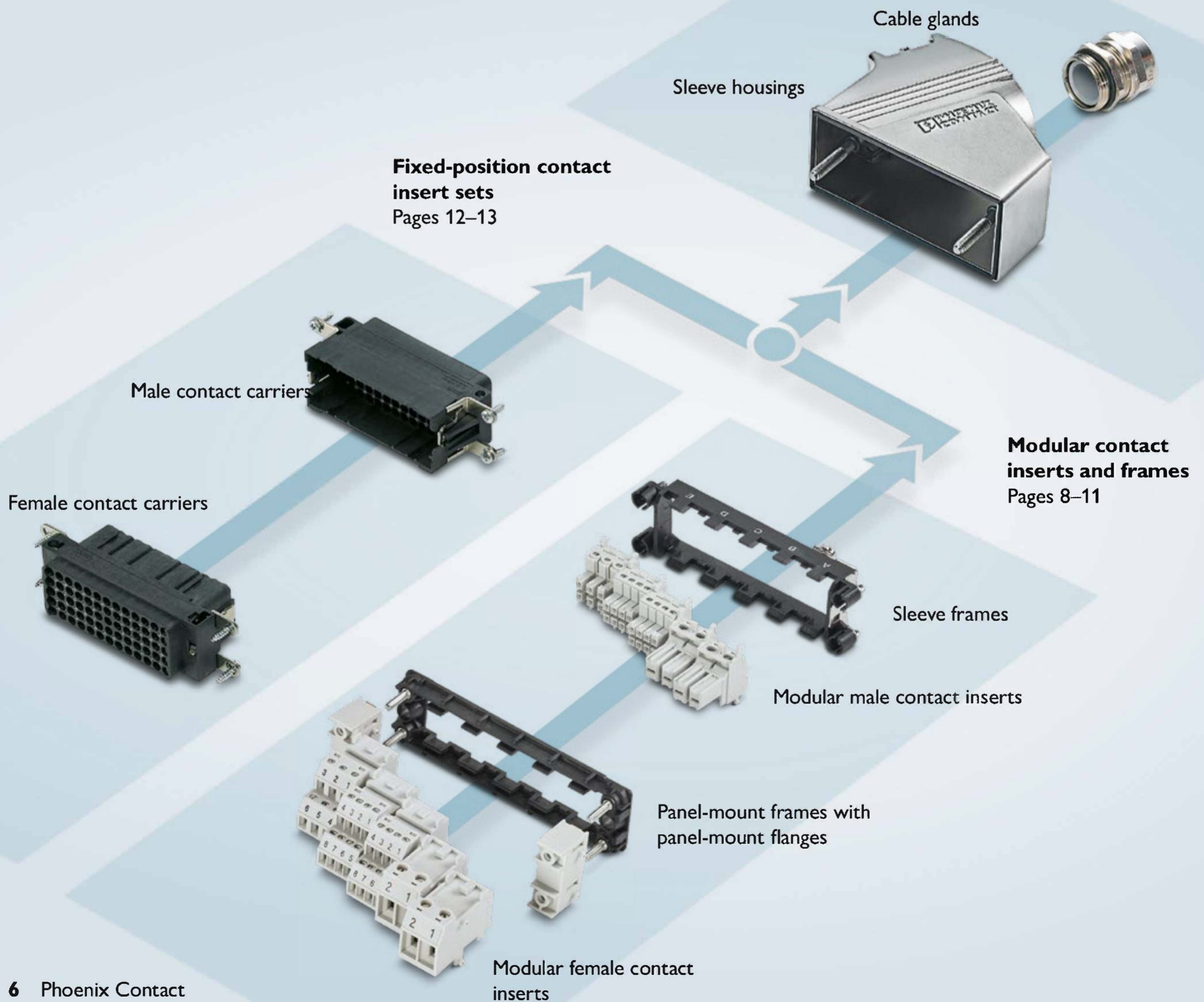
Conveyor systems

In the right place at the right time: modular rectangular connectors can be configured to suit the respective application.

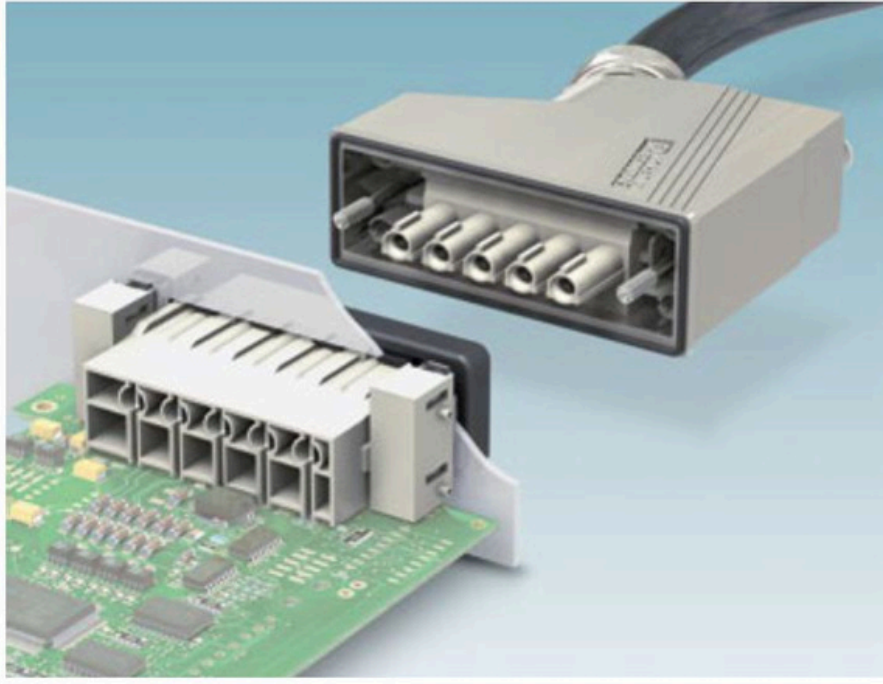
The modular connector system with a compact design

The VARIOCON product range enables power, signal, and data transmission to be combined in a single connector. Screw, crimp, or direct PCB connection can be selected for the device side. Crimp contact inserts are available for applications with a high contact density.

**Sleeve housings
and cable glands**
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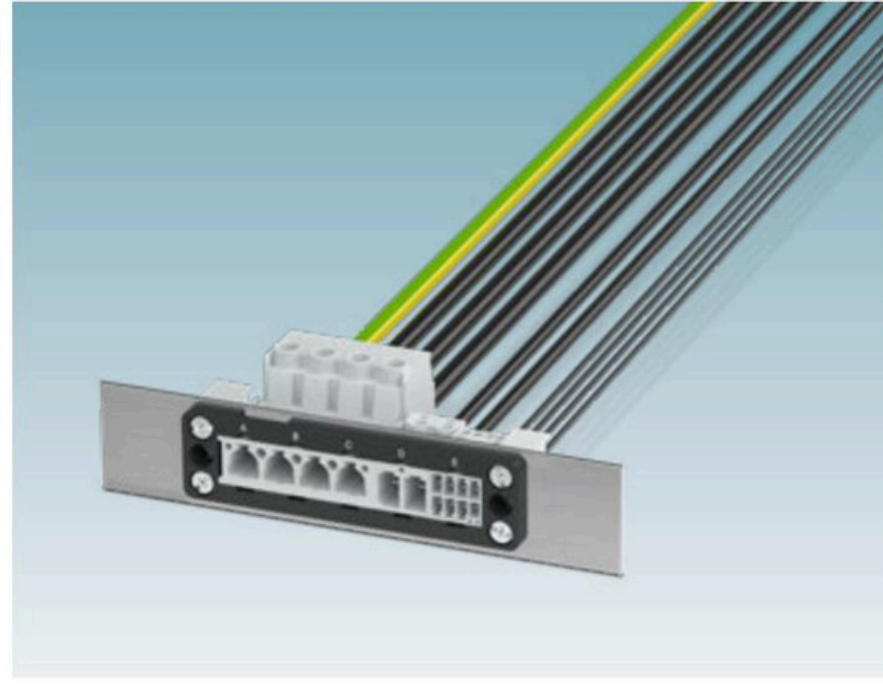


Device connections and connectors



PCB connection

Contact inserts with PCB connection for parallel or perpendicular arrangements of the PCB to the device panel.



Screw and crimp connection

Contact inserts with screw and crimp connection for connecting device-internal litz wires.



Surface mounting housing and coupling housings

For plug-in cabling directly on the device panel or flying leads.



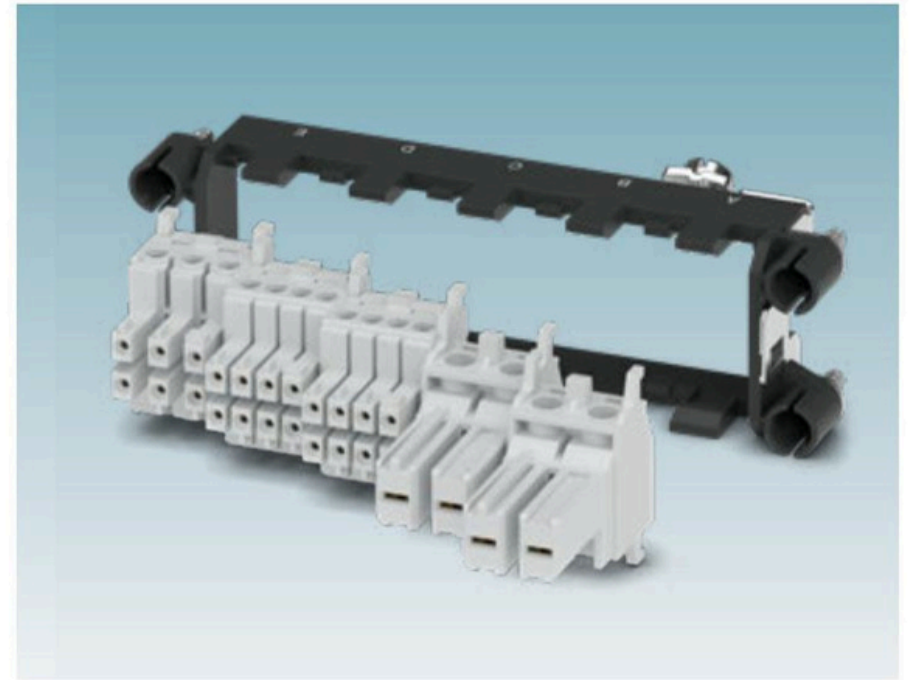
Preassembled contact insert sets

Complete sets consisting of frame, mounting screws, preassembled modules, and coding profiles.



High-position contact carriers

Male and female contact carriers for turned and rolled crimp contacts for applications with up to 65 positions.



Modular design

Easy combination of power and signal in one connector.



Four sizes

Widths from 32.4 mm to 77.4 mm with two to five module slots.



Different cable outlets



Sleeve housings with angled and straight cable outlet make mounting easier.










Various materials

Sleeve housings, surface mounting housings, and coupling housings made of plastic or die-cast zinc.

Modular contact inserts for device connection

Modular contact inserts – device side								i Web code: #0537	
	Type	Number of positions	Module slots	PCB connection			Screw connection	Item no.	
				180°	90°	90° with PE			
100 insertion cycles	1.5 mm ²	6	1		1884872	1853531	-		1854019 1583555 ¹⁾
	1.5 mm ²	8	1		1884885	1852833	-		1854022 1583568 ¹⁾
	4 mm ²	2	1		1884979	1852859	-		1853528 1583542 ¹⁾
50 insertion cycles	16 mm ²	4	3		-	1607509	1607516		1607745
	16 mm ²	5	4		-	1607523	1607530		1607748
	16 mm ²	7	5		-	1607537	1607544		1607751



Modular contact inserts for connectors


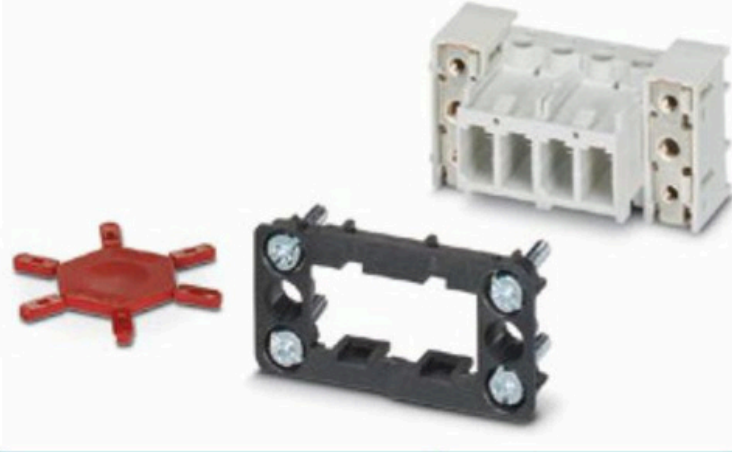
Modular contact inserts – connector side				 Web code: #0536
Rated current	Rated voltage	Module slots	Screw connection	Item no.
10 A	250 V	1		1853476 1583526 ¹⁾
10 A	160 V	1		1852820 1583536 ¹⁾
20 A	400 V	1		1852846 1583513 ¹⁾
70 A	690 V	3 4 (1 of which is free) 5 (2 of which are free)		1607467 ²⁾ 1607488 ²⁾ 1607495 ²⁾
70 A	690 V	4 5 (1 of which is free)		1607474 ²⁾ 1607502 ²⁾
70 A	690 V	5		1607481 ²⁾

¹⁾ Contact insert with PE marking



²⁾ Items do not require separate panel-mount or sleeve frame



Panel-mount frames for device connection

Panel-mount frames – device side							 Web code: #0539
							
Size	Module slots	Panel-mount frame without PE		Panel-mount frame with PE		Additional EMC shielding frame	
		Type	Item no.	Type	Item no.	Type	Item no.
VC 1	2	VC-AR 1/2 M	1852972 ¹⁾	VC-AR 1/2 M-PEA	1607761 ¹⁾	VC-AR1-EMV	1853214
VC 2	3	VC-AR 2/3 M	1852985 ¹⁾	VC-AR 2/3 M-PEA	1607774 ¹⁾	VC-AR2-EMV	1853227
VC 3	4	VC-AR 3/4 M	1852998 ¹⁾	VC-AR 3/4 M-PEA	1607787 ¹⁾	VC-AR3-EMV	1853230
VC 4	5	VC-AR 4/5 M	1853007 ¹⁾	VC-AR 4/5 M-PEA	1607790 ¹⁾	VC-AR4-EMV	1853243

Male contact inserts including panel-mount frame and flange						 Web code: #0528
						
Size	Number of positions/ conductor cross-section	Rated voltage	Rated current	Type	Item no.	
VC 1	16 x 1.5 mm ²	160 V	10 A	VC-AR 1/2 M-S88-SET	1607394	
	12 x 1.5 mm ²	250 V	10 A	VC-AR 1/2 M-S66-SET	1607346	
	4 x 4 mm ²	400 V	20 A	VC-AR 1/2 M-S22-SET	1607298	
VC 2	24 x 1.5 mm ²	160 V	10 A	VC-AR 2/3 M-S888-SET	1607407	
	18 x 1.5 mm ²	250 V	10 A	VC-AR 2/3 M-S666-SET	1607359	
	6 x 4 mm ²	400 V	20 A	VC-AR 2/3 M-S222-SET	1607311	
VC 3	32 x 1.5 mm ²	160 V	10 A	VC-AR 3/4 M-S8888-SET	1607418	
	24 x 1.5 mm ²	250 V	10 A	VC-AR 3/4 M-S6666-SET	1607370	
	8 x 4 mm ²	400 V	20 A	VC-AR 3/4 M-S2222-SET	1607322	
VC 4	40 x 1.5 mm ²	160 V	10 A	VC-AR 4/5 M-S88888-SET	1607431	
	30 x 1.5 mm ²	250 V	10 A	VC-AR 4/5 M-S66666-SET	1607383	
	10 x 4 mm ²	400 V	20 A	VC-AR 4/5 M-S 22222-SET	1607335	

Sleeve frames for connectors

Sleeve frames – connector side				 Web code: #0538	
					
Size	Module slots	Sleeve frame without PE		Sleeve frame with PE	
		Type	Item no.	Type	Item no.
VC 1	2	VC-TR 1/2 M	1852891	VC-TR 1/2 M-PEA	1607059
VC 2	3	VC-TR 2/3 M	1852901	VC-TR 2/3 M-PEA	1607062
VC 3	4	VC-TR 3/4 M	1852914	VC-TR 3/4 M-PEA	1607075
VC 4	5	VC-TR 4/5 M	1852927	VC-TR 4/5 M-PEA	1607088

Female contact inserts including sleeve frames						 Web code: #0529
						
Size	Number of positions/ conductor cross-section	Rated voltage	Rated current	Type	Item no.	
VC 1	16 x 1.5 mm ²	160 V	10 A	VC-TR 1/2 M-PEA-S88-SET	1607239	
	12 x 1.5 mm ²	250 V	10 A	VC-TR 1/2 M-PEA-S66-SET	1607191	
	4 x 4 mm ²	400 V	20 A	VC-TR 1/2 M-PEA-S22-SET	1607143	
VC 2	24 x 1.5 mm ²	160 V	10 A	VC-TR 2/3 M-PEA-S888-SET	1607250	
	18 x 1.5 mm ²	250 V	10 A	VC-TR 2/3 M-PEA-S666-SET	1607202	
	6 x 4 mm ²	400 V	20 A	VC-TR 2/3 M-PEA-S222-SET	1607154	
VC 3	32 x 1.5 mm ²	160 V	10 A	VC-TR 3/4 M-PEA-S8888-SET	1607263	
	24 x 1.5 mm ²	250 V	10 A	VC-TR 3/4 M-PEA-S6666-SET	1607215	
	8 x 4 mm ²	400 V	20 A	VC-TR 3/4 M-PEA-S2222-SET	1607167	
VC 4	40 x 1.5 mm ²	160 V	10 A	VC-TR 4/5 M-PEA-S88888-SET	1607274	
	30 x 1.5 mm ²	250 V	10 A	VC-TR 4/5 M-PEA-S66666-SET	1607226	
	10 x 4 mm ²	400 V	20 A	VC-TR 4/5 M-PEA-S22222-SET	1607178	

¹⁾ Two panel-mount flanges ([1852862](#)) are to be ordered separately per panel-mount frame

Contact carriers and crimp contacts for device connection

Contact carriers for device connection – device side							 Web code: #0530
	Description	Size	Number of positions/ conductor cross-section	Rated voltage	Rated current	Type	Item no.
	Female contact carriers for turned crimp contacts	VC 1	15 x 0.14 mm ² ... 1.5 mm ²	250 V	Up to 10 A ²⁾	VC-D1-BU15-PE	1855050 ¹⁾
		VC 2	30 x 0.14 mm ² ... 1.5 mm ²			VC-D2-BU30-PE	1855063 ¹⁾
		VC 3	50 x 0.14 mm ² ... 1.5 mm ²			VC-D3-BU50-PE	1855076 ¹⁾
		VC 4	65 x 0.14 mm ² ... 1.5 mm ²			VC-D4-BU65-PE	1855089 ¹⁾
	Female contact carriers for rolled crimp contacts	VC 1	15 x 0.14 mm ² ... 1.5 mm ²			VC-D1-BU15-PE-R	1884801 ¹⁾
		VC 2	30 x 0.14 mm ² ... 1.5 mm ²			VC-D2-BU30-PE-R	1884791 ¹⁾
		VC 3	50 x 0.14 mm ² ... 1.5 mm ²			VC-D3-BU50-PE-R	1884788 ¹⁾
		VC 4	65 x 0.14 mm ² ... 1.5 mm ²			VC-D4-BU65-PE-R	1884775 ¹⁾
Crimp contacts							
	Description	Contact connection type	Conductor cross-section	Type	Item no.		
	Turned female contacts	Single contact, silver-plated	0.14 mm ² /AWG 26	CK 1,6-ED-0,37BU AG	1663394		
			0.50 mm ² /AWG 20	CK 1,6-ED-0,50BU AG	1663404		
			0.75 mm ² /AWG 18	CK 1,6-ED-0,75BU AG	1663417		
			1.00 mm ² /AWG 18	CK 1,6-ED-1,00BU AG	1663420		
			1.50 mm ² /AWG 16	CK 1,6-ED-1,50BU AG	1663433		
		Single contact, gold-plated	0.14 mm ² /AWG 26	CK 1,6-ED-0,37BU AU	1674969		
			0.50 mm ² /AWG 20	CK 1,6-ED-0,50BU AU	1674480		
			0.75 mm ² /AWG 18	CK 1,6-ED-0,75BU AU	1672440		
			1.00 mm ² /AWG 18	CK 1,6-ED-1,00BU AU	1674943		
			1.50 mm ² /AWG 16	CK 1,6-ED-1,50BU AU	1674930		
	Rolled female contacts	Taped product, silver-plated	0.34 mm ² ... 1 mm ² / AWG 22 ... AWG 17	CK1,6-BR- 1,00BU OIC AG	1004381		
			1.5 mm ² ... 2.5 mm ² / AWG 16 ... AWG 14	CK1,6-BR- 2,50BU OIC AG	1004383		
		Single contact, silver-plated	0.34 mm ² ... 1 mm ² / AWG 22 ... AWG 17	CK1,6-ER- 1,00BU OIC AG	1004362		
			1.5 mm ² ... 2.5 mm ² / AWG 16 ... AWG 14	CK1,6-ER- 2,50BU OIC AG	1004366		
Crimping tools							
	Description	Type	Item no.				
	Crimping pliers for turned contacts – CK 1,6 ED ... and CK 2,5 ED ...	CRIMPFOX-1,6/2,5- ED-4,0	1687419				
	Crimping pliers, for rolled contacts CK 1,6-ER ... OIC, cross-section: 0.14 mm ² ... 2.5 mm ²	CRIMPFOX-P CK 1,6 ER 2,5 OIC-L	1069228				




Contact carriers and crimp contacts for connectors

Contact carriers for connectors – connector side							 Web code: #0530
	Description	Size	Number of positions/ conductor cross-section	Rated voltage	Rated current	Type	Item no.
	Male contact carriers for turned/rolled crimp contacts	VC 1	15 x 0.14 mm ² ... 1.5 mm ²	250 V	Up to 10 A ²⁾	VC-D1-ST15-PE	1855018 ¹⁾
		VC 2	30 x 0.14 mm ² ... 1.5 mm ²			VC-D2-ST30-PE	1855021 ¹⁾
		VC 3	50 x 0.14 mm ² ... 1.5 mm ²			VC-D3-ST50-PE	1855034 ¹⁾
		VC 4	65 x 0.14 mm ² ... 1.5 mm ²			VC-D4-ST65-PE	1855047 ¹⁾
Crimp contacts							
	Description	Contact connection type	Conductor cross-section	Type	Item no.		
	Turned male contacts	Single contact, silver-plated	0.14 mm ² /AWG 26	CK 1,6-ED-0,37ST AG	1663336		
			0.50 mm ² /AWG 20	CK 1,6-ED-0,50ST AG	1663349		
			0.75 mm ² /AWG 18	CK 1,6-ED-0,75ST AG	1663352		
			1.00 mm ² /AWG 18	CK 1,6-ED-1,00ST AG	1663365		
			1.50 mm ² /AWG 16	CK 1,6-ED-1,50ST AG	1663378		
		Single contact, gold-plated	0.14 mm ² /AWG 26	CK 1,6-ED-0,37ST AU	1674901		
			0.50 mm ² /AWG 20	CK 1,6-ED-0,50ST AU	1672453		
			0.75 mm ² /AWG 18	CK 1,6-ED-0,75ST AU	1674914		
			1.00 mm ² /AWG 18	CK 1,6-ED-1,00ST AU	1674888		
			1.50 mm ² /AWG 16	CK 1,6-ED-1,50ST AU	1674875		
	Rolled male contacts	Taped product, silver-plated	0.34 mm ² ... 1 mm ² / AWG 22 ... AWG 17	CK1,6-BR-1,00ST OIC AG	1004380		
			1.5 mm ² ... 2.5 mm ² / AWG 16 ... AWG 14	CK1,6-BR-2,50ST OIC AG	1004382		
		Single contact, silver-plated	0.34 mm ² ... 1 mm ² / AWG 22 ... AWG 17	CK1,6-ER-1,00ST OIC AG	1004360		
			1.5 mm ² ... 2.5 mm ² / AWG 16 ... AWG 14	CK1,6-ER-2,50ST OIC AG	1004365		
Crimping tools							
	Description					Type	Item no.
	Crimping pliers for turned contacts – CK 1,6 ED ... and CK 2,5 ED ...					CRIMPFOX-1,6/2,5-ED-4,0	1687419
	Crimping pliers, for rolled contacts CK 1,6-ER ... OIC, cross-section: 0.14 mm ² ... 2.5 mm ²					CRIMPFOX-P CK 1.6 ER 2.5 OIC-L	1069228

¹⁾ Two panel-mount flanges (1855319) are to be ordered separately per contact carrier

²⁾ Depending on the connected conductor cross-section







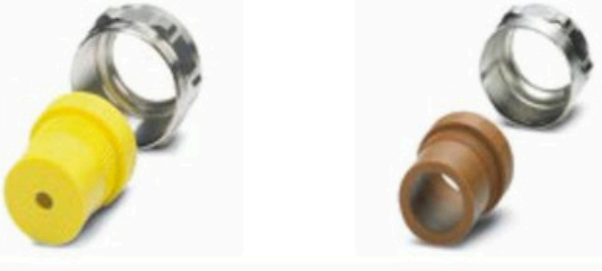

Housings for device connection

Base housings for device connection – device side								 Web code: #0545	
	Description	Size	Module slots	Degree of protection	Pg16		Pg21		
					Type	Item no.	Type	Item no.	
	Surface mounting housing with fixing holes	VC 1	2	IP65/IP66/IP67	VC-MP-S1	1884720	-	-	
		VC 2	3		-	-	VC-MP-S2	1884733	
		VC 3	4		-	-	VC-MP-S3	1884746	
		VC 4	5		-	-	VC-MP-S4	1884759	
	Coupling housing with enclosed bottom	VC 1	2	IP65/IP66/IP67	VC-MP-K1	1884568	-	-	
		VC 2	3		-	-	VC-MP-K2	1884571	
		VC 3	4		-	-	VC-MP-K3	1884584	
		VC 4	5		-	-	VC-MP-K4	1884597	

Housings for connectors

Sleeve housings in accordance with IP65/IP66/IP67, die-cast zinc – connector side							 Web code: #0532	
	Description	Size	Module slots	Thread type	Type	Cylinder head screw	Knurled screw	
						Item no.		
	Metric	VC 1	2	M20	VC-MP-T1...	1886676	1886634	
		VC 2	3	M25	VC-MP-T2...	1886689	1886647	
		VC 3	4		VC-MP-T3...	1886692	1886650	
		VC 4	5		VC-MP-T4...	1886702	1886663	
	Pg	VC 1	2	Pg16	VC-MP-T1...	1884898	1855539	
		VC 2	3	Pg21	VC-MP-T2...	1884908	1855542	
		VC 3	4		VC-MP-T3...	1884911	1855555	
		VC 4	5		VC-MP-T4...	1884924	1855568	
	Metric + EMC	VC 1	2	M20	VC-MEMV-T1...	1886553	1886595	
		VC 2	3	M25	VC-MEMV-T2...	1886566	1886605	
		VC 3	4		VC-MEMV-T3...	1886579	1886618	
		VC 4	5		VC-MEMV-T4...	1886582	1886621	
	Pg + EMC	VC 1	2	Pg16	VC-MEMV-T1...	1853324	1855131	
		VC 2	3	Pg21	VC-MEMV-T2...	1853337	1855144	
		VC 3	4		VC-MEMV-T3...	1853340	1855157	
		VC 4	5		VC-MEMV-T4...	1853353	1855160	
Sleeve housings in accordance with IP67, plastic								
	Description	Size	Module slots	Thread type/ cable size	Type	Cylinder head screw	Knurled screw	
						Item no.		
	Metric	VC 1	2	M20	VC-K-T1...	1852935	1855097	
		VC 2	3	M25	VC-K-T2...	1852948	1855107	
		VC 3	4		VC-K-T3...	1852961	1855120	
		VC 4	5		VC-K-T4...	1852974	1855133	
	Pg	VC 1	2	Pg16	VC-K-T1...	1852930	1855092	
		VC 2	3	Pg21	VC-K-T2...	1852943	1855102	
		VC 3	4		VC-K-T3...	1852956	1855115	
		VC 4	5		VC-K-T4...	1852969	1855128	
	Integrated Pg screw connection	VC 1	2	-	VC-K-T1...	-	-	
		VC 2	3	Pg29	VC-K-T2...	1583880	-	
		VC 3	4		VC-K-T3...	1424368	-	
		VC 4	5	-	VC-K-T4...	-	-	

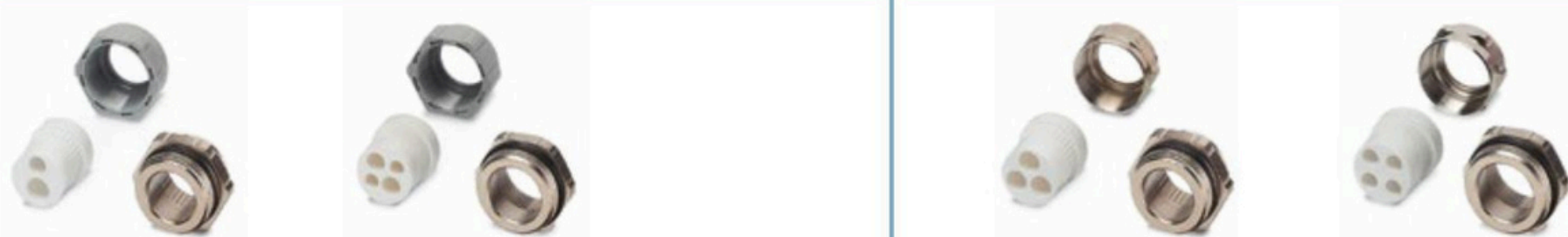
Cable glands for one cable

Metric cable glands  Web code: #0533									
									
Thread type	Plastic			Metal			EMC		
	Cable diameter [mm]	Type	Item no.	Cable diameter [mm]	Type	Item no.	Cable diameter [mm]	Type	Item no.
M20	6 ... 13	G-INS-M20-M68L-PEPDS-LG	1424515	9 ... 13	G-INS-M20-S68N-NNES-S	1411163	9 ... 13	G-INSEC-M20-S68N-NCRS-S	1411189
	10 ... 14	G-INS-M20-M68N-PNES-LG	1424471	11 ... 16	HC-M-KV-M20(11-16)	1645998	-	-	-
M25	9 ... 17	G-INS-M25-M68L-PEPDS-LG	1424516	11 ... 16	G-INS-M25-M68N-NNES	1411165	11 ... 16	G-INSEC-M25-S68N-NCRS-S	1411190
	13 ... 18	G-INS-M25-L68N-PNES-LG	1424472	14 ... 21	HC-M-KV-M25(14-21)	1646007	-	-	-
Pg cable glands  Web code: #0534									
									
Thread type	With plastic pressure screw			With brass pressure screw		EMC screw connection with iris spring			
	Cable diameter [mm]	Type	Item no.	Type	Item no.	Type	Item no.		
Pg16	4 ... 6.5	VC-K-KV-PG16(4-6,5)	1854459	VC-M-KV-PG16(4-6,5)	1853942	-	-		
	5 ... 8	VC-K-KV-PG16(5-8)	1853735	VC-M-KV-PG16(5-8)	1853955	-	-		
	6.5 ... 9.5	VC-K-KV-PG16(6,5-9,5)	1853748	VC-M-KV-PG16(6,5-9,5)	1853968	-	-		
	7 ... 10.5	VC-K-KV-PG16(7-10,5)	1853751	VC-M-KV-PG16(7-10,5)	1853971	-	-		
	9 ... 13	VC-K-KV-PG16(9-13)	1853764	VC-M-KV-PG16(9-13)	1853984	-	-		
	11.5 ... 15.5	VC-K-KV-PG16(11,5-15,5)	1854844	VC-M-KV-PG16(11,5-15,5)	1854857	-	-		
Pg21	7 ... 10.5	VC-K-KV-PG21(7-10,5)	1853890	VC-M-KV-PG21(7-10,5)	1853997	-	-		
	9 ... 13	VC-K-KV-PG21(9-13)	1853900	VC-M-KV-PG21(9-13)	1854006	VC-EMV-KV-PG21(9-13/9.5)	1854200		
	9 ... 13	-	-	-	-	VC-EMV-KV-PG21(9-13/12)	1854213		
	11.5 ... 15.5	VC-K-KV-PG21(11,5-15,5)	1853913	VC-M-KV-PG21(11,5-15,5)	1854035	VC-EMV-KV-PG21(11,5-15,5/13,5)	1854242		
	14 ... 18	VC-K-KV-PG21(14-18)	1853926	VC-M-KV-PG21(14-18)	1854048	VC-EMV-KV-PG21(14-18/14,5)	1854255		
	17 ... 20.5	VC-K-KV-PG21(17-20,5)	1853939	VC-M-KV-PG21(17-20,5)	1854051	-	-		

Cable glands for several cables

Pg cable glands in accordance with IP65

 Web code: #0535



Thread type	With plastic pressure screw			With brass pressure screw	
	Cable diameter [mm]	Type	Item no.	Type	Item no.
Pg16	1 x 3 / 1 x 8	VC-K-KV-PG16 1X3/1X8	1885376	VC-M-KV-PG16 1X3/1X8	1885457
	1 x 3 / 1 x 9	VC-K-KV-PG16 1X3/1X9	1885389	VC-M-KV-PG16 1X3/1X9	1885460
	1 x 6 / 1 x 8	VC-K-KV-PG16 1X6/1X8	1885392	VC-M-KV-PG16 1X6/1X8	1885473
	1 x 5 / 1 x 9	VC- K-KV-PG16 1X5/1X9	1885402	VC-M-KV-PG16 1X5/1X9	1885486
	1 x 3 / 2 x 8	VC-K-KV-PG16 1X3/2X8	1885415	VC-M-KV-PG16 1X3/2X8	1885499
	1 x 5 / 2 x 6	VC-K-KV-PG16 1X5/2X6	1885428	VC-M-KV-PG16 1X5/2X6	1885509
	2 x 6 / 1 x 7	VC-K-KV-PG16 2X6/1X7	1885431	VC-M-KV-PG16 2X6/1X7	1885512
	3 x 7	VC-K-KV-PG16 3X7	1885444	VC-M-KV-PG16 3X7	1885525
Pg21	1 x 6 / 2 x 9	VC-K-KV-PG21 1X6/2X9	1885538	VC-M-KV-PG21 1X6/2X9	1885619
	1 x 8.5 / 1 x 12	VC-K-KV-PG21 1X8,5/1X12	1885279	VC-M-KV-PG21 1X8,5/1X12	1854970
	2 x 4.5 / 1 x 13	VC-K-KV-PG21 2X4,5/1X13	1885282	-	-
	2 x 6 / 2 x 8	VC-K-KV-PG21 2X6/2X8	1885554	VC-M-KV-PG21 2X6/2X8	1885635
	2 x 7.2 / 1 x 10.5	VC-K-KV-PG21 2X7,2/1X10,5	1885567	VC-M-KV-PG21 2X7,2/1X10,5	1885648
	3 x 7	VC-K-KV-PG21 3X7	1885570	VC-M-KV-PG21 3X7	1885651
	3 x 9	VC-K-KV-PG21 3X9	1885583	VC-M-KV-PG21 3X9	1885664
	4 x 6.5	VC-K-KV-PG21 4X6,5	1885596	VC-M-KV-PG21 4X6,5	1885677
	4 x 8	VC-K-KV-PG21 4X8	1885606	VC-M-KV-PG21 4X8	1885680

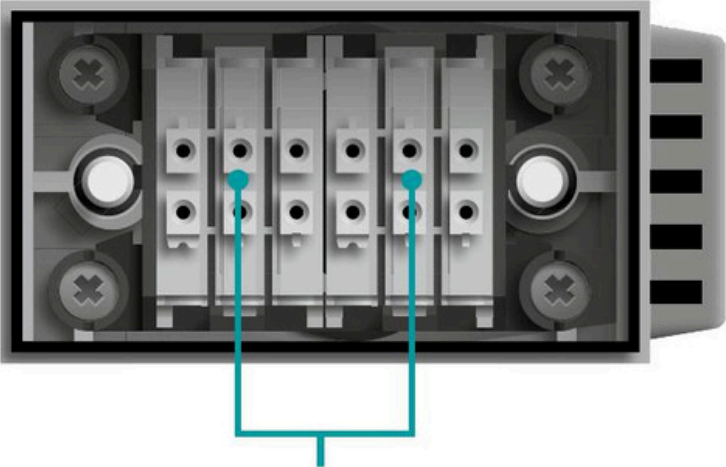
Accessories

Additional items				
	Description	Size	Type	Item no.
	IP40 protective cover	VC 1	VC-SD1	1853670
		VC 2	VC-SD2	1853683
		VC 3	VC-SD3	1853696
		VC 4	VC-SD4	1853706
	IP50 protective cover	VC 1	VC-SD-T1	1886728
		VC 2	VC-SD-T2	1886731
		VC 3	VC-SD-T3	1886744
		VC 4	VC-SD-T4	1886757
	IP50 protective cover	VC 1	VC-SD-A1	1886760
		VC 2	VC-SD-A2	1886773
		VC 3	VC-SD-A3	1886786
		VC 4	VC-SD-A4	1886799
	Removal tool	-	EWR	1665075
	Panel-mount flange (Two panel-mount flanges are to be ordered per panel-mount frame)	-	VC-AF	1852862
	Marking label	-	VC-BZS-WH	1852875
	Coding profile	-	CP-HCC 4	1600027

Configuration examples

Size VC 1

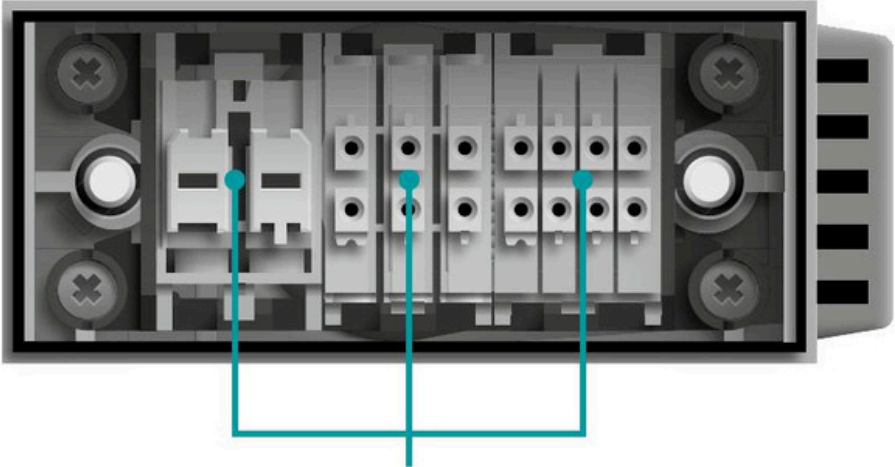
- 2 module slots
- Panel cutout: 19.5^{-0.2} mm x 32.4^{+0.3} mm



2 x 6-pos. signals

Size VC 2

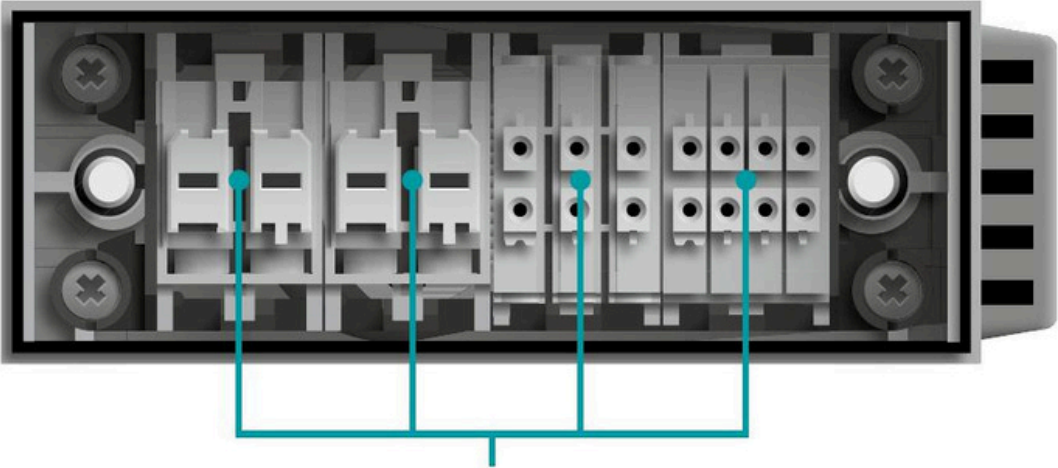
- 3 module slots
- Panel cutout: 19.5^{-0.2} mm x 47.4^{+0.3} mm



1 x 2-pos. power, 1 x 6-pos. signals, 1 x 8-pos. signals

Size VC 3

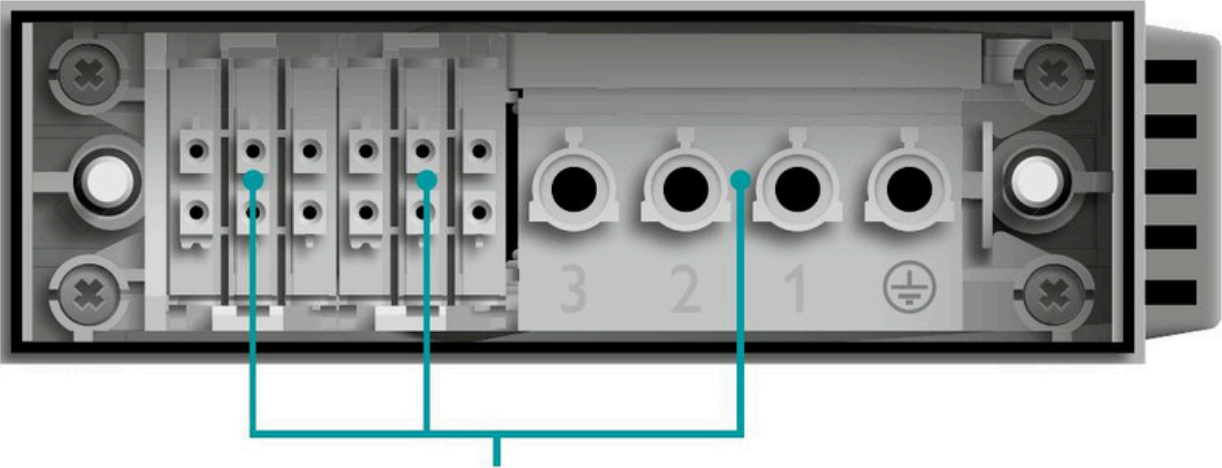
- 4 module slots
- Panel cutout: 19.5^{-0.2} mm x 62.4^{+0.3} mm



2 x 2-pos. power, 1 x 6-pos. signals, 1 x 8-pos. signals

Size VC 4

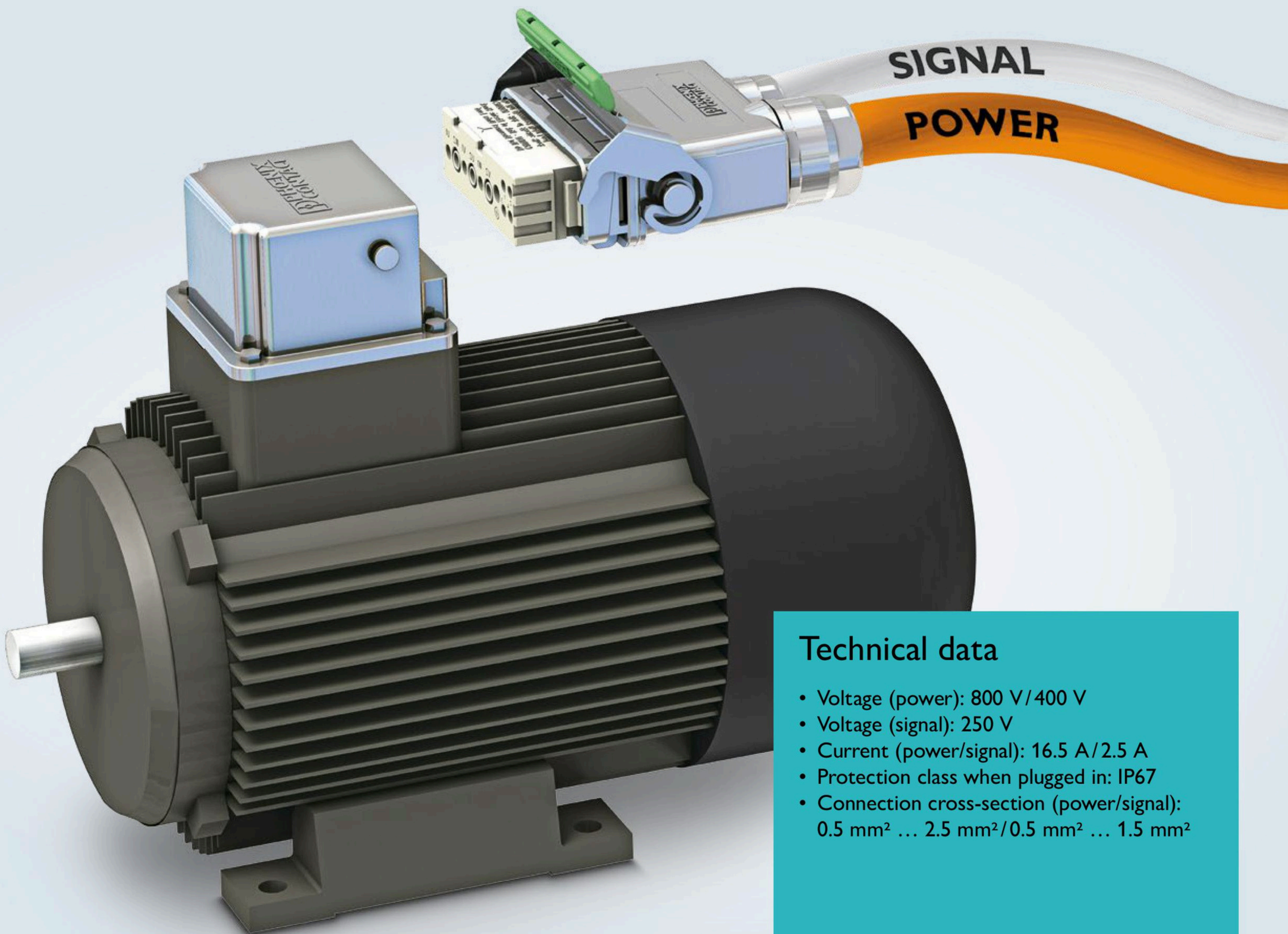
- 5 module slots
- Panel cutout: 19.5^{-0.2} mm x 77.4^{+0.3} mm



2 x 6-pos. signals, 1 x 3+1-pos. power

Hybrid connectors for direct motor connection

The HC-MOT hybrid connector combines signals and power in the same housing, which are connected to the contact insert via a Push-in spring connection. The vibration-resistant locking latch ensures a secure connection, which saves considerable time, especially during servicing. With the star-delta bridge, it is no longer necessary to preset the drives. Combine HC-MOT and VARIOCON to establish an efficient connection from the motor through to the frequency converter.



Technical data

- Voltage (power): 800 V / 400 V
- Voltage (signal): 250 V
- Current (power/signal): 16.5 A / 2.5 A
- Protection class when plugged in: IP67
- Connection cross-section (power/signal): 0.5 mm² ... 2.5 mm² / 0.5 mm² ... 1.5 mm²

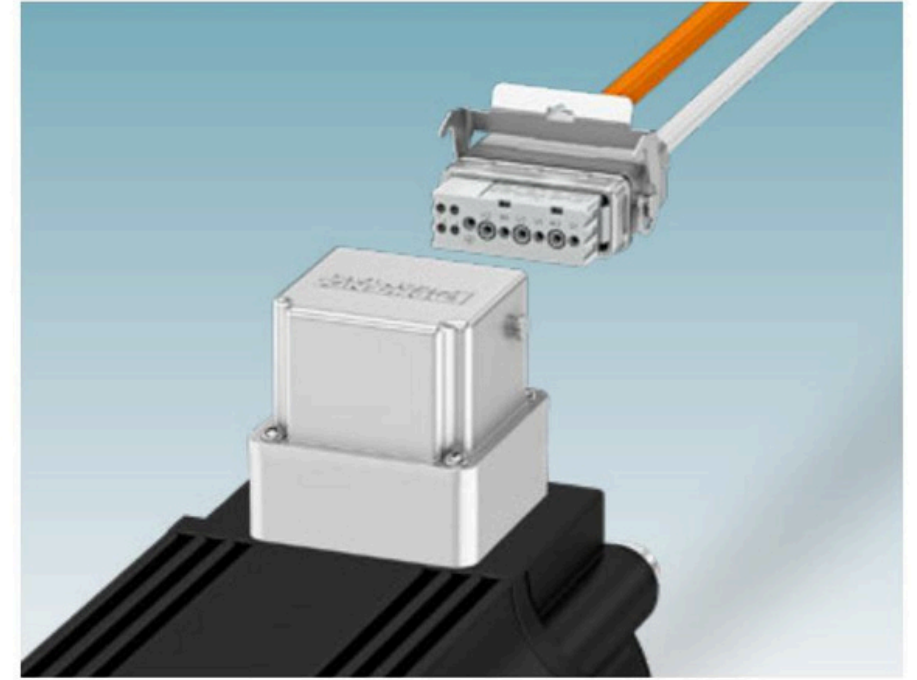
Your advantages



Integrated star-delta bridge for quick and easy rewiring.



Simple and robust locking latch plus fast and reliable Push-in spring connection.



Signals and power combined in parallel in the same housing.

Ordering data

 Web code: #0540

Panel-mount bases for drives

							
Description	Motor-mounted EMC housing	Coated protective cover	Crimp contacts (male): 1.00 mm 0.14 ... 0.5 mm ²		Crimp contacts (male): 2.00 mm 0.35 ... 1 mm ²		Crimping pliers for 1 mm/2 mm contacts
Type	HC-MOT-AFL-SET	HC-MOT-SD-L-KU	CK 1,0-ED-0,5ST AU	CK 1,0-ED-1,0ST AU	CK2,0-ED-1,0ST AU-L	CK2,0-ED-2,5ST AU-L	CRIMPFOX-TC-MP-1
Item no.	1409053	1409147	1409121	1409082	1099993	1099992	1212620

Sleeve connectors

				
Description	Sleeve housing with EMC protection	IP54 protective cover	Star-delta bridge	Coding profile
Type	HC-MOT-TML-SET	HC-MOT-SD-FLT-KU-IP54	HC-MOT-ST/DR-BR	CP-HCC 4
Item no.	1409066	1409134	1409150	1600027

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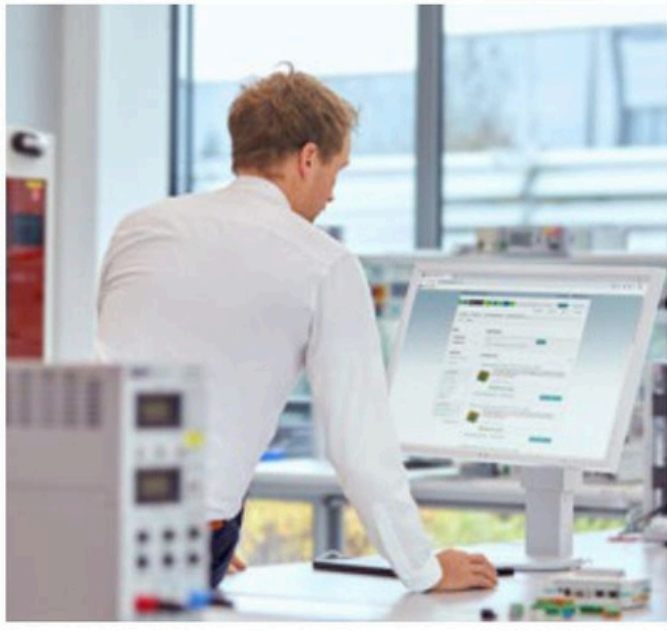
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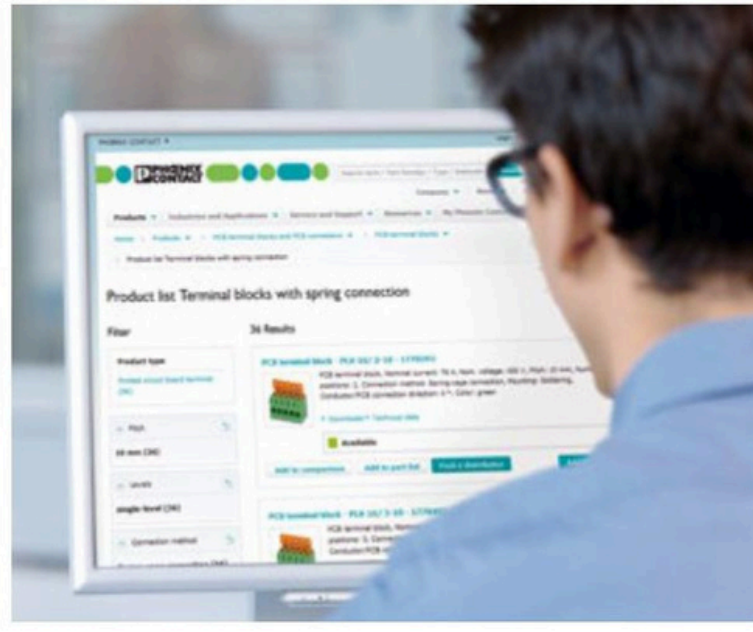
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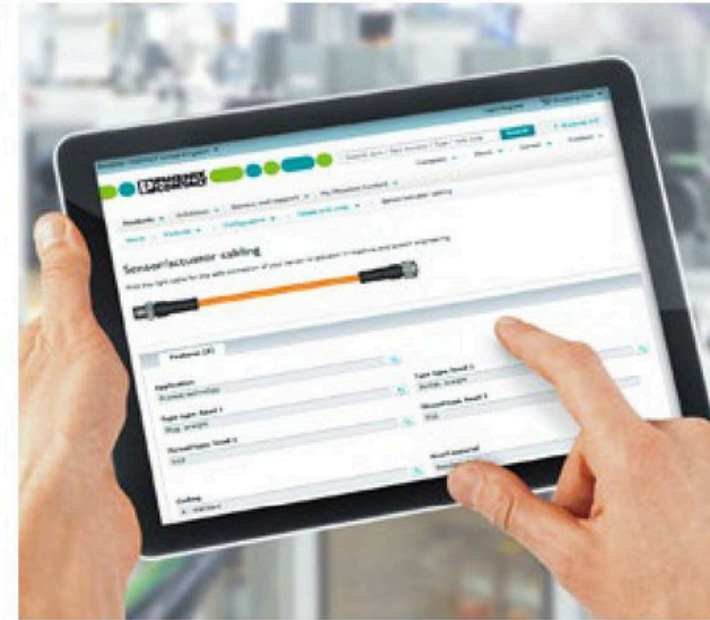
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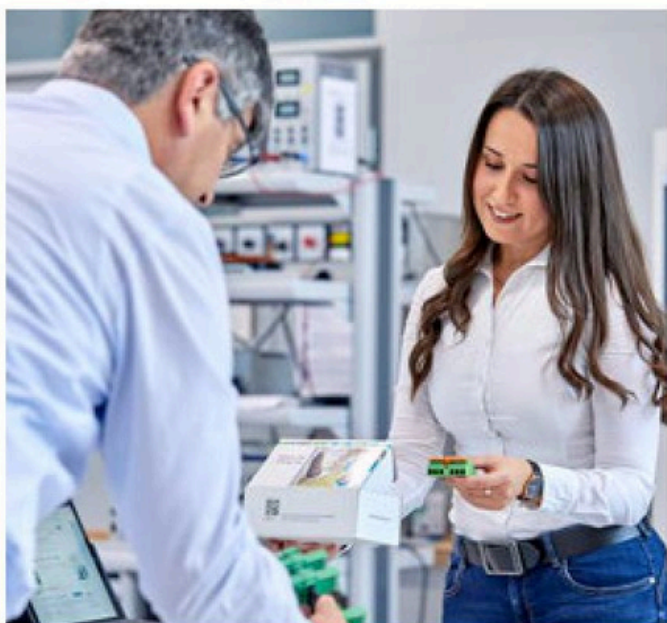
Housing parts and connection technology are easy to configure



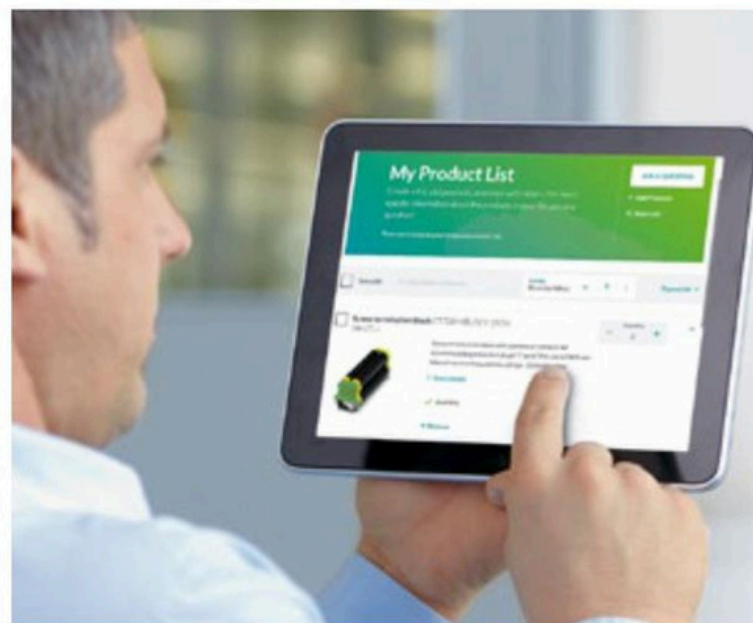
Cable and assembly systems can be matched easily



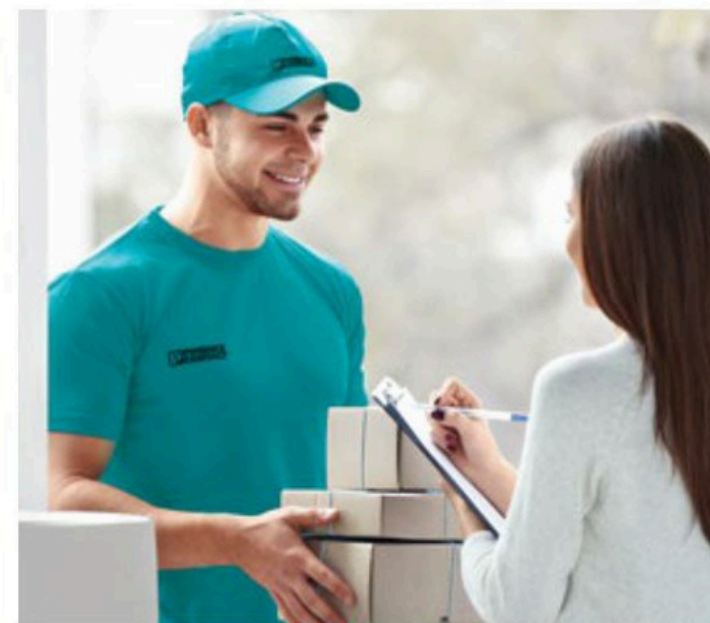
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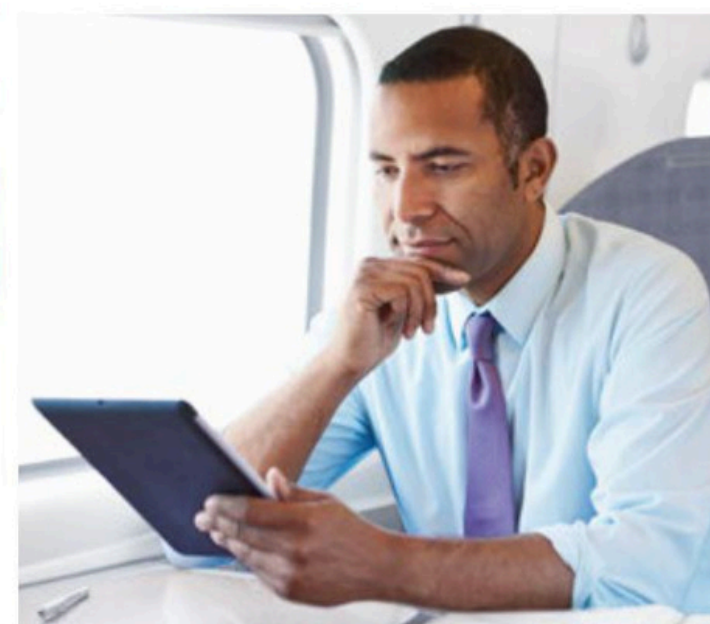
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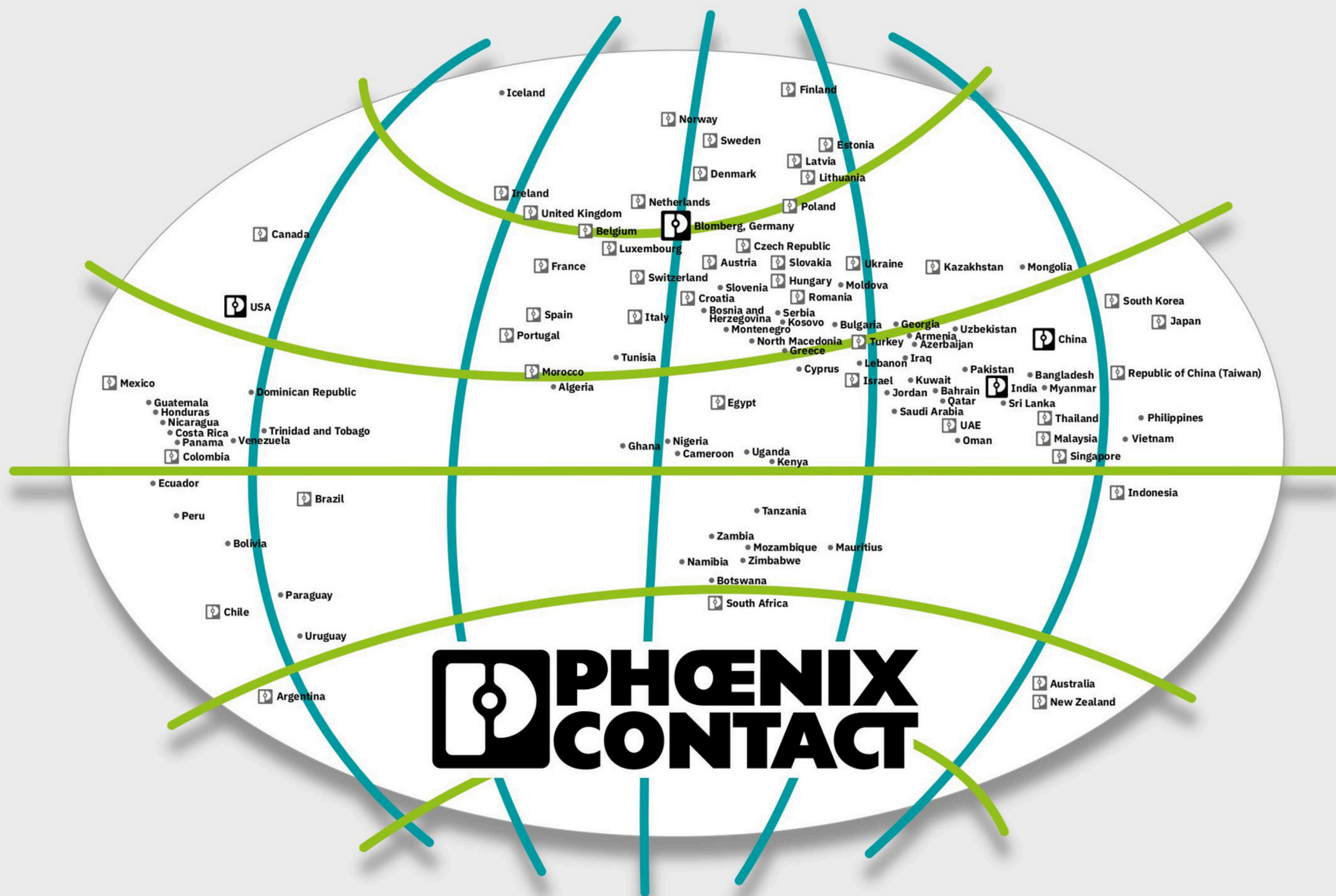
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