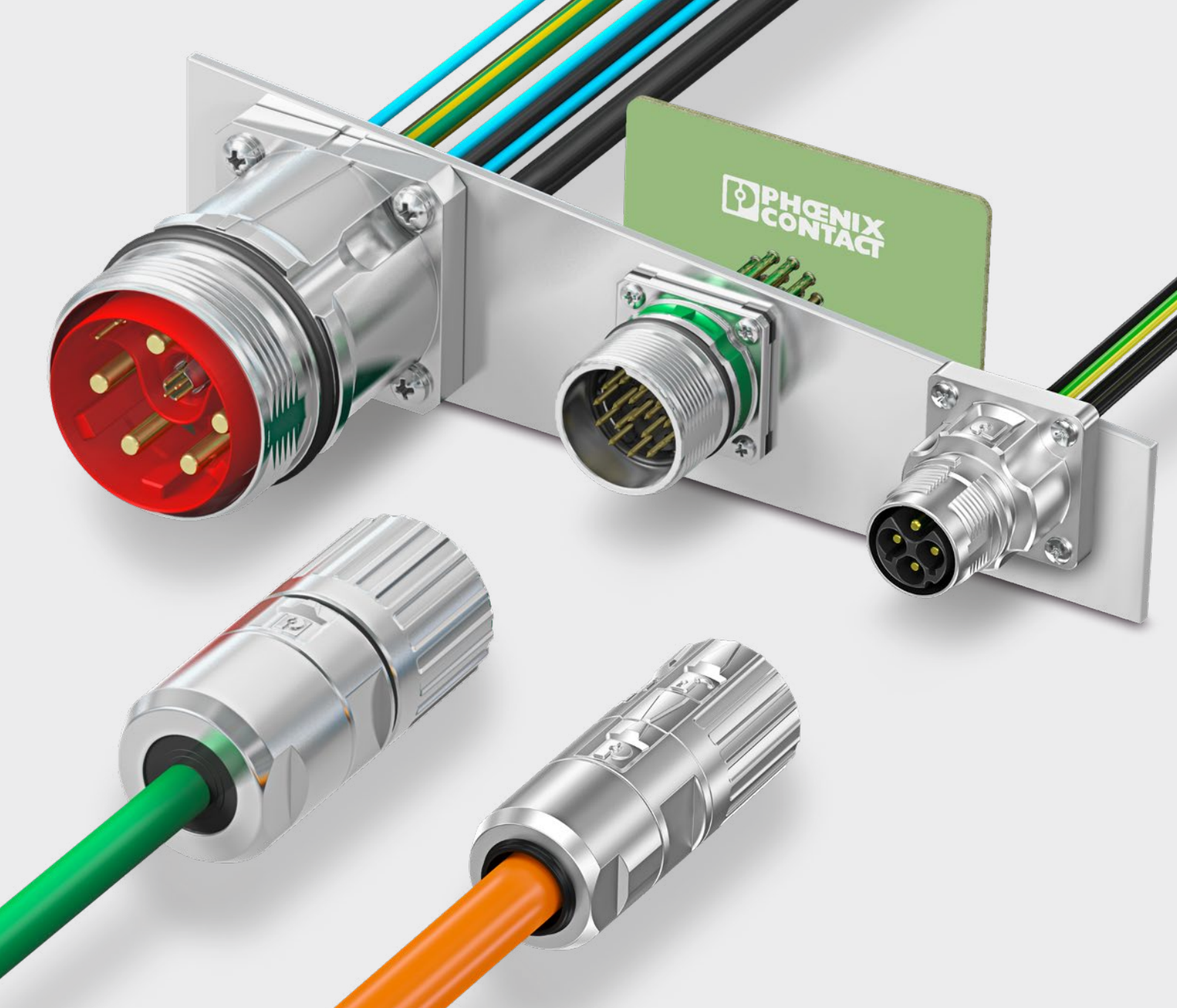




M17 to M58 circular connectors

Product Overview 2026

M17 to M58 circular connectors

As a specialist in the field, Phoenix Contact offers circular connectors from M5 to M58 – the largest range of robust circular connectors on the market, from small to large, straight or angled, for signals or power, molded or designed for assembly on-site. These products have been tried and tested over many years, in various fields – industrial automation, electrical drive technology, and in infrastructure applications.

SIGNAL

Signal connectors up to 19-position

- 6- to 19-position
- Sizes M17 and M23
- All housings can be fitted with male or female contacts
- EMC protection
- IP67 degree of protection

 **Web code:** #0253



Learn more with the web code

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

 **Web code:** #1234 (example)

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



HYBRID

Hybrid connectors up to 70 A/850 V DC/630 V AC

- Transmission of signals, data, and power in just a single connector
- Sizes M17, M23, and M40
- Connectors with external thread suitable for standard and fast locking
- M17 hybrid connectors based on IEC 61076-2-117
- Data interface, optionally with 4-position CAT5 shielded, 6-position shielded, 4-position signal unshielded, and without insert
- Connection cross-sections of up to 16 mm²

 **Web code:** #0254, #3898



POWER

Power connectors up to 150 A/630 V

- Sizes M17, M23, M40, and M58
- 3+PE up to 5+3+PE
- Connection cross-sections of up to 50 mm²
- IP67 degree of protection

 **Web code:** #0255

Inhalt

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Unrivalled variety for signals, data, and power

The circular connector product line ranges from signal connectors in sizes M17 and M23 to hybrid connectors and finally power connectors in sizes M17 to M58 for a maximum of 150 A and 630 V. The wide selection of designs and pin assignments facilitates consistent solutions for transmitting signals and data as well as supplying power to electrical devices and drives.



Sustainable and future-proof

Phoenix Contact is empowering sustainable products and already offers a comprehensive portfolio which is produced in accordance with future EU directives, with a reduced lead content below 0.1%. This corresponds to RoHS II without Exemption 6c.

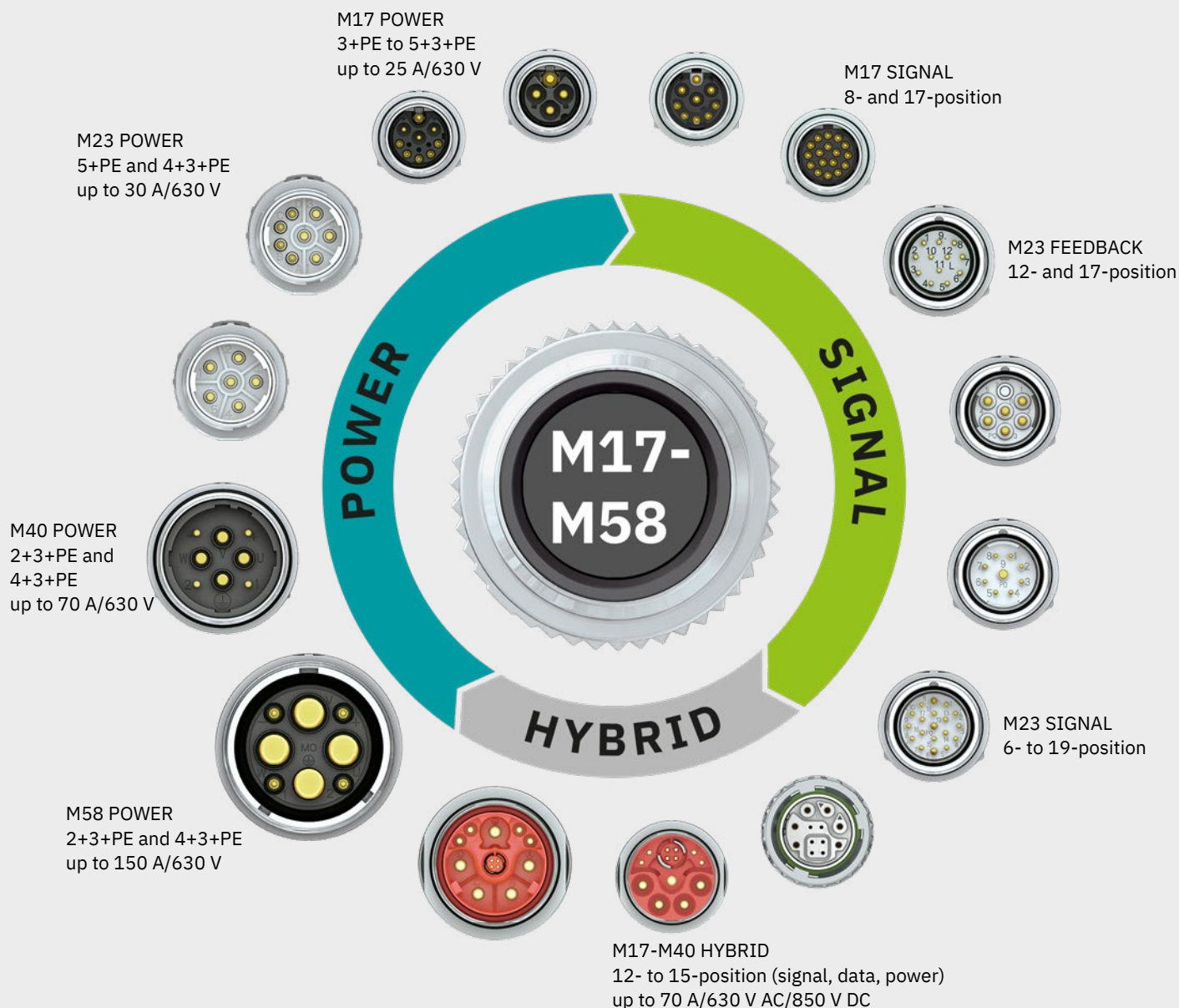
You will find items that comply with the future EU directive and have a maximum lead content of 0.1% on our website via the standard item, using the filter “Lead content (EU-RoHS) – lead-free (Pb < 0.1%)”, or by entering the respective web code in the search field.

 **Web code:** #2904

NEW

RoHS

Pb < 0,1%



Wide range of pin assignments

Consistent solutions for signal, data, and power transmission.



Compact device connection

Straight front or rear mounting and angled, rotatable with infinitely variable adjustment of the outlet direction.

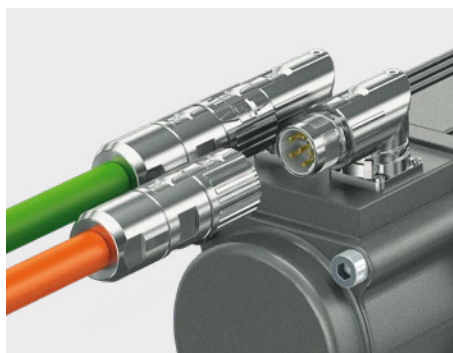


M17 and M23 PRO cable and coupler connectors

Cable and coupler connectors for secure cable assembly.

Cross-manufacturer compatible connectors – M17 to M40 PRO

Cross-manufacturer compatible: signal and power connectors from the M17 to M40 PRO series offer consistent solutions for data, signal, and power transmission. With the patented ONECLICK fast-locking system you can connect your device quickly and safely.



Available worldwide

Cross-manufacturer compatible solutions for standard and fast locking.

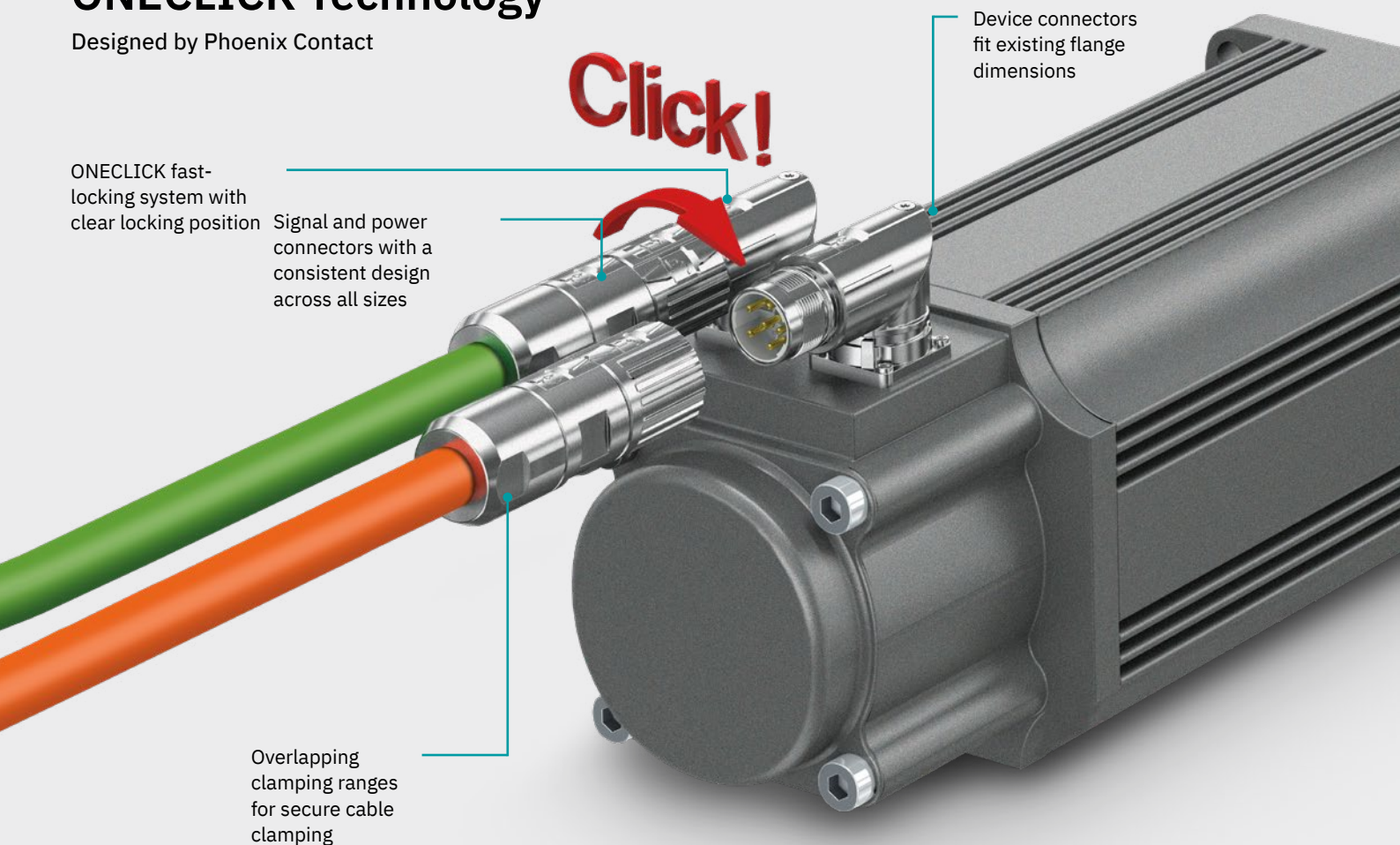


Secure locking

ONECLICK fast-locking system with an optically, haptically, and acoustically clear locking position.

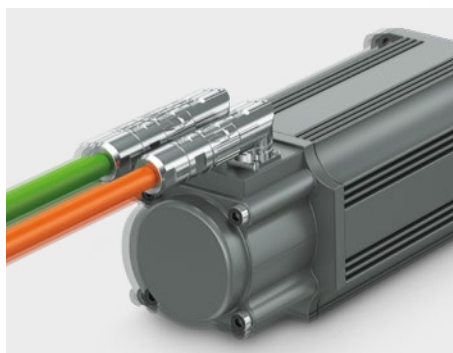
ONECLICK Technology

Designed by Phoenix Contact



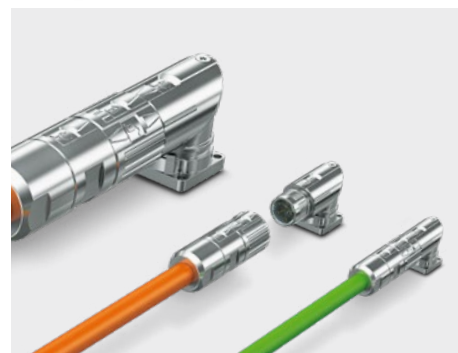
Designed for easy assembly

Easy and reliable shield connection for cost-effective cable assembly.



Vibration-resistant connection

Vibration brake in the cable connector for reliable connection under particularly harsh conditions.



Consistent design

Modern, consistent design for highly convenient operation.

Page navigation

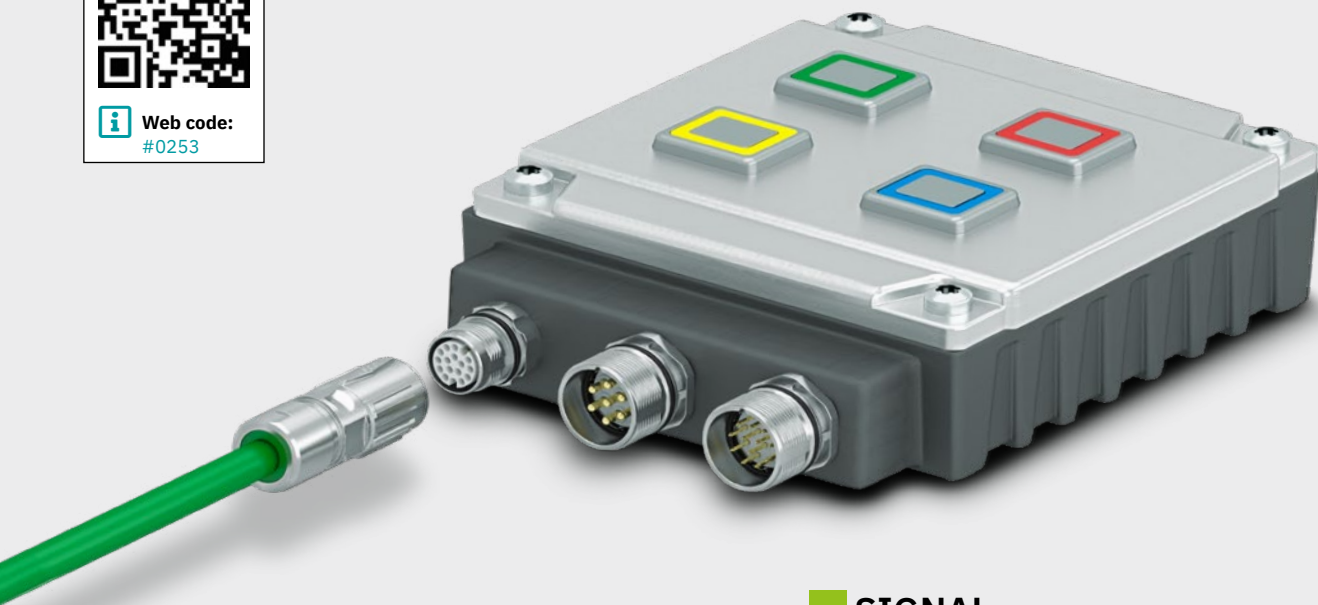
M17 to M58 circular connectors									
Design	Size	6-pos.	7-pos.	8-pos.	8+1-pos.	12-pos.	16-pos.	17-pos.	
Cable connectors, ONECLICK fast-locking system									
	M17 PRO	–	–	12	–	–	–	12	
	M23 PRO	14	14	–	14	14	14	14	
Cable connectors, SPEEDCON fast-locking system									
	M23	–	–	–	–	–	–	–	
	M40	–	–	–	–	–	–	–	
Cable connectors, standard locking									
	M17	–	–	12	–	–	–	12	
	M23	14	14	–	14	14	14	14	
	M23 angled	14	14	–	14	14	14	14	
	M40	–	–	–	–	–	–	–	
	M58	–	–	–	–	–	–	–	
Coupler connector									
	M17	–	–	12	–	–	–	12	
	M23	14	14	–	14	14	14	14	
	M40	–	–	–	–	–	–	–	
	M58	–	–	–	–	–	–	–	
Device connectors									
	M17, straight	–	–	13	–	–	–	13	
	M17, angled, rotatable	–	–	13	–	–	–	13	
	M23, straight	16	16	–	16	16	16	16	
	M23, angled, rotatable	16	16	–	16	16	16	16	
	M40, straight	–	–	–	–	–	–	–	
	M40, angled, rotatable	–	–	–	–	–	–	–	
	M58, straight	–	–	–	–	–	–	–	
Plastic-molded cables									
	M17	–	–	–	–	–	–	36	
	M23	–	–	–	–	36	–		
	M23 angled	–	–	–	–	36	–	36	

 **SIGNAL** **HYBRID** **POWER**

16+3 / 16+2+PE- pos.	Hybrid 4+4+3+PE- pos.	Hybrid 4+4+4+PE- pos.	Hybrid 6+4+4+PE / 4+4+PE-pos.	3+PE- pos.	5+PE- pos.	2+3+PE- pos.	6+PE- pos.	7+PE- pos.	4+3+PE- pos.	5+3+PE- pos.
–	20	–	–	30	30	–	30	30	–	30
14	–	–	–	–	32	–	–	–	32	32
–	–	22	24	–	–	–	–	–	–	–
–	–	26	27	–	–	–	–	–	–	–
–	–	–	–	30	30	–	30	30	–	30
14	–	22	24	–	32	–	–	–	32	32
14	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	34	–	–	34	–
–	–	–	–	–	–	35	–	–	35	–
–	–	–	–	30	30	–	30	30	–	30
14	–	22	24	–	32	–	–	–	32	32
–	–	26	27	–	–	34	–	–	34	–
–	–	–	–	–	–	35	–	–	35	–
–	21	–	–	30	30	–	30	30	–	30
–	21	–	–	30	30	–	30	30	–	30
16	–	23	25	–	33	–	–	–	33	33
16	–	23	25	–	33	–	–	–	33	33
–	–	26	27	–	–	34	–	–	34	–
–	–	26	27	–	–	34	–	–	34	–
–	–	–	–	–	–	35	–	–	35	–
–	–	–	–	39	39	–	–	–	–	–
–	–	38	–	–	40	–	–	–	40	–
–	–	38	–	–	41	–	–	–	41	–

M17 and M23 signal connectors

The M17 and M23 circular connectors cover numerous industrial signal applications. They also satisfy requirements on tightness of seal, vibration resistance, and EMC protection.



SIGNAL

Signal connectors up to 19-position

- 6- to 19-position
- Sizes M17 and M23
- All housings can be fitted with male or female contacts
- Connectors with external thread suitable for standard and SPEEDCON locking
- EMC protection
- IP67 degree of protection

Your advantages at a glance



Reliable transmission

All connectors with 360° shield connection.



Various connection methods

Crimp connection, solder connection, and device connectors with additional solder-in connection.



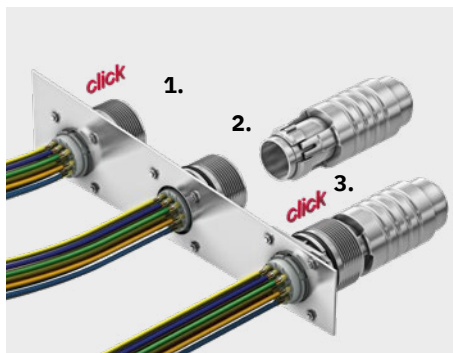
Secure locking

ONECLICK fast-locking system with an optically, haptically, and acoustically clear locking position.



High contact density

6- to 19-position for a variety of signal and feedback applications.



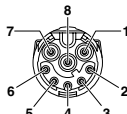
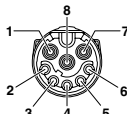
Easy mounting and removal

1. Insert M23 contact carrier from the connection side and snap into place
2. Attach removal tool on the plug side
3. Release contact carrier



Flexible assembly

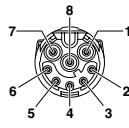
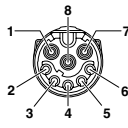
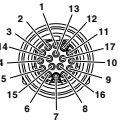
All housings can be fitted with male or female contacts.

M17		8-pos.		17-pos.		
 Web code: #4289  RoHS Pb < 0,1%	Connection method	Crimp		Crimp		
	Rated voltage [V AC/DC]	60		60		
	Rated current ¹⁾ [A]	8		3.6		
	Number of contacts / diameter [mm]	8x 1.0		17x 0.6		
	Litz wire cross-sections [mm²]	0.06 ... 1.0		0.06 ... 0.5		
	Pin assignment	Male	Female	Male	Female	
						
Cable connectors, ONECLICK fast-locking system						
	Cable clamping range [mm]	3.5 ... 6.5	1629016	1629013	1629010	1629007
		5.5 ... 9.5	1629015	1629012	1629009	1629006
		8.5 ... 12	1629014	1629011	1629008	1629005
Cable connectors, standard locking						
	Cable clamping range [mm]	3.5 ... 6.5	1629058	1629055	1629052	1629049
		5.5 ... 9.5	1629057	1629054	1629051	1629048
		8.5 ... 12	1629056	1629053	1629050	1629047
Coupler connector						
	Cable clamping range [mm]	3.5 ... 6.5	1628974	1628971	1628968	1628965
		5.5 ... 9.5	1628973	1628970	1628967	1628964
		8.5 ... 12	1628972	1628969	1628966	1628963

¹⁾ Rated current for maximum connection cross-section.

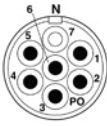
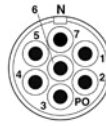
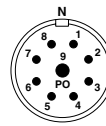
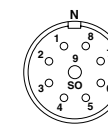
The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing.

Please order crimp contacts separately. You will find the matching crimp contacts in the "Accessories" area on the respective product page at phoenixcontact.com.

M17		8-pos.		17-pos.	
 Web code: #4289  Pb < 0,1%	Connection method	Crimp		Crimp	
	Rated voltage [V AC/DC]	60		60	
	Rated current ¹⁾ [A]	8		3.6	
	Number of contacts / diameter [mm]	8x 1.0		17x 0.6	
	Litz wire cross-sections [mm²]	0.06 ... 1.0		0.06 ... 0.5	
	Pin assignment	Male	Female	Male	Female
					
Device connectors, front mounting					
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm	1628932	1628931	1628928	1628927
	Flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.2 mm	1628930	1628929	1628926	1628925
Device connectors, angled, rotatable, front mounting					
	Flange dimensions 21.6 x 21.6 mm Mounting holes 4 x Ø 2.7 mm	1865089	1865090	1865091	1865095
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.1 mm	1628527	1628526	1628523	1628522
	Flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.1 mm	1628525	1628524	1628521	1628520
Device connectors, front mounting, for screw fastening					
	M18 x 0,75 mm fastening thread	1820973	1820976	1820977	1820979

¹⁾ Rated current for maximum connection cross-section.

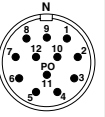
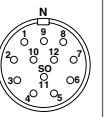
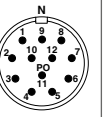
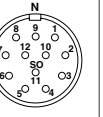
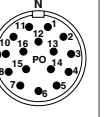
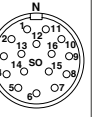
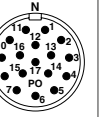
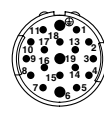
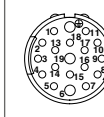
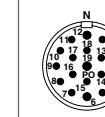
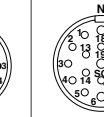
Please order crimp contacts separately. You will find the matching crimp contacts in the "Accessories" area on the respective product page at phoenixcontact.com.

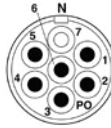
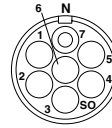
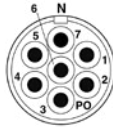
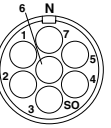
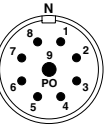
M23			6-pos.		7-pos.		9(8+1)-pos.	
Web code: #2068 RoHS Pb < 0,1%	Connection method		Crimp, solder		Crimp, solder		Crimp, solder	
	Rated voltage [V AC/DC]		300		300		300	
	Rated current ¹⁾ [A]		20		20		8 / 20	
	Number of contacts / diameter [mm]		6 x 2.0		7 x 2.0		8 x 1,0 / 1 x 2,08 x 1.0 / 1 x 2.0	
	Litz wire cross-sections [mm²]		0.06 ... 2.5		0.06 ... 2.5		0.08 ... 1.0 / 0.06 ... 2.5	
	Pin assignment		Male	Female	Male	Female	Male	Female
								
Cable connectors, ONECLICK fast-locking system								
	Cable clamping range [mm] Solder connection	3 ... 15	1341720	1341726	1341731	1341737	1342194	1342198
		4 ... 8.5	1341715	1341722	1341727	1341733	1342191	1342195
		6 ... 10	1341718	1341723	1341728	1341734	1342192	1342196
		9 ... 15	1341719	1341724	1341729	1341735	1342193	1342197
	Cable clamping range [mm] Crimp connection	3 ... 15	1629188	1629184	1629176	1629180	1629168	1629172
		4 ... 8.5	1629191	1629187	1629179	1629183	1629171	1629175
		6 ... 10	1629190	1629186	1629178	1629182	1629170	1629174
		9 ... 15	1629189	1629185	1629177	1629181	1629169	1629173
Cable connectors, standard locking								
	Cable clamping range [mm] Solder connection	3 ... 15	1340661	1340669	1340674	1340681	1340685	1340690
		4 ... 8.5	1340657	1340663	1340670	1340675	1340682	1340686
		6 ... 10	1340658	1340665	1340672	1340675	1340683	1340688
		9 ... 15	1340659	1340667	1340673	1340679	1340684	1340689
	Cable clamping range [mm] Crimp connection	3 ... 15	1629232	1629236	1629224	1629228	1629216	1629220
		4 ... 8.5	1629235	1629239	1629227	1629231	1629219	1629223
		6 ... 10	1629234	1629238	1629226	1629230	1629218	1629222
		9 ... 15	1629233	1629237	1629225	1629229	1629217	1629221
Cable connectors, angled								
	Cable clamping range [mm] Solder connection	3 ... 14.5	1619342	1619343	1619338	1619339	1619334	1619335
		4 ... 6	1620290	1620291	1620286	1620287	1620282	1620283
		6 ... 10	1620261	1620262	1620257	1620258	1620253	1620254
		10 ... 14.5	1620211	1620212	1620207	1620208	1620189	1620190
	Cable clamping range [mm] Crimp connection	3 ... 14.5	1619340	1619341	1619336	1619337	1619332	1619333
		4 ... 6	1620288	1620289	1620284	1620285	1620280	1620281
		6 ... 10	1620259	1620260	1620255	1620256	1620251	1620252
		10 ... 14.5	1620209	1620210	1620191	1620192	1620187	1620188
Coupler connector								
	Cable clamping range [mm] Solder connection	3 ... 15	1467190	1467199	1467430	1467435	1467235	1467246
		4 ... 8.5	1467180	1467191	1467426	1467432	1467232	1467239
		6 ... 10	1467181	1467193	1467428	1467433	1467233	1467242
		9 ... 15	1467187	1467197	1467429	1467434	1467234	1467244
	Cable clamping range [mm] Crimp connection	3 ... 15	1629140	1629136	1629128	1629132	1629120	1629124
		4 ... 8.5	1629143	1629139	1629131	1629135	1629123	1629127
		6 ... 10	1629142	1629138	1629130	1629134	1629122	1629126
		9 ... 15	1629141	1629137	1629129	1629133	1629121	1629125

¹⁾ Rated current for maximum connection cross-section.

The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing.

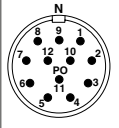
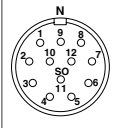
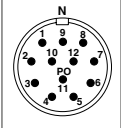
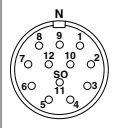
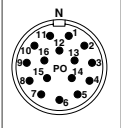
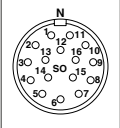
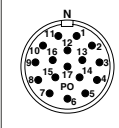
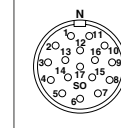
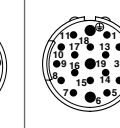
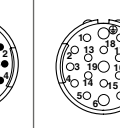
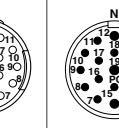
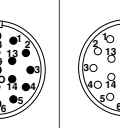
Please order crimp contacts separately. You will find the matching crimp contacts in the "Accessories" area on the respective product page at phoenixcontact.com.

12-pos.		12-pos. reverse		16-pos.		17-pos.		19(16+2+PE)- pos.		19(16+3)- pos.	
Crimp, solder		Crimp, solder		Crimp, solder		Crimp, solder		Crimp		Crimp, solder	
150		150		125		125		150		150	
8		8		8		8		8 / 10		8 / 10	
12 x 1.0		12 x 1.0		16 x 1.0		17 x 1.0		16 x 1,0 / 3 x 1,5		16 x 1,0 / 3 x 1,5	
0.08 ... 1.0		0.08 ... 1.0		0.08 ... 1.0		0.08 ... 1.0		0.08 ... 1.0 / 0.08 ... 1.0		0.08 ... 1.0 / 0.08 ... 1.0	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
											
1342202	1342207	1543937	1543942	1679700	1679696	1342724	1342728	–	–	1342732	1342739
1342199	1342203	1543933	1543938	1679697	1679692	1342720	1342725	–	–	1342729	1342733
1342200	1342205	1543934	1543940	1679698	1679693	1342722	1342726	–	–	1342730	1342734
1342201	1342206	1543936	1543941	1679699	1679695	1342723	1342727	–	–	1342731	1342735
1629160	1629164	1069326	1069322	1681371	1681375	1629152	1629156	1629144	1629148	1718400	1718406
1629163	1629167	1069323	1069319	1681367	1681372	1629155	1629159	1629147	1629151	1718396	1718402
1629162	1629166	1069324	1069320	1681368	1681373	1629154	1629158	1629146	1629150	1718398	1718404
1629161	1629165	1069325	1069321	1681370	1681374	1629153	1629157	1629145	1629149	1718399	1718405
1340694	1340703	1543928	1543932	1679686	1679686	1341224	1341228	–	–	1341232	1341236
1340691	1340695	1543925	1543929	1679681	1679681	1341221	1341225	–	–	1341229	1341233
1340692	1340696	1543926	1543930	1679682	1679682	1341222	1341226	–	–	1341230	1341234
1340693	1340700	1543927	1543931	1679684	679684	1341223	1341227	–	–	1341231	1341235
1629208	1629212	1069317	1069313	1681358	1681366	1629200	1629204	1629192	1629196	1720043	1718395
1629211	1629215	1069314	1069309	1681354	1681360	1629203	1629207	1629195	1629199	1720041	1718392
1629210	1629214	1069315	1069311	1681354	1681364	1629202	1629206	1629194	1629198	1326011	1718393
1629209	1629213	1069316	1069312	1681357	1681365	1629201	1629205	1629193	1629197	1718849	1718394
1619330	1619331	–	–	1620300	1620301	1620296	1620297	–	–	1620292	16120293
1620278	1620279	–	–	1620274	1620275	1620267	1620268	–	–	1620263	1620264
1620249	1620250	–	–	1620245	1620246	1620217	1620218	–	–	1620213	1620214
1620185	1620186	–	–	1620181	1620182	1620177	1620178	–	–	1620173	1620174
1620302	1620303	–	–	1620298	1620299	1620294	1620295	–	–	1624075	1624071
1620276	1620277	–	–	1620271	1620273	1620265	1620266	–	–	1624076	1624072
1620247	1620248	–	–	1620219	1620244	1620215	1620216	–	–	1624077	1624073
1620183	1620184	–	–	1620179	1620180	1620175	1620176	–	–	1624078	1624074
1467144	1467148	1543945	1543950	1679705	1679709	1467459	1467463	–	–	1467481	1467486
1467140	1467145	1543943	1543946	1679702	1679706	1467456	1467460	–	–	1467476	1467482
1467142	1467146	1473127	1543947	1679703	1679707	1467457	1467461	–	–	1467479	1467483
1467143	1467147	1543944	1543949	1679704	1679708	1467458	1467462	–	–	1467480	1467484
1629112	1629116	1329285	1329277	1681466	1681474	1629104	1629108	1629096	1629100	1718412	1718418
1629115	1629119	1329282	1329272	1681463	1681467	1629107	1629111	1629099	1629103	1718408	1718413
1629114	1629118	1329283	1329274	1681464	1681469	1629106	1629110	1629098	1629102	1718409	1718415
1629113	1629117	1329284	1329276	1681465	1681472	1629105	1629109	1629097	1629101	1718411	1718416

M23		6-pos.		7-pos.		9(8+1)-pos.	
Web code: #2068 RoHS Pb < 0,1%	Connection method	Crimp, solder		Crimp, solder		Crimp, solder	
	Rated voltage [V AC/DC]	300		300		300	
	Rated current ¹⁾ [A]	20		20		8 / 20	
	Number of contacts / diameter [mm]	6 x 2.0		7 x 2.0		8 x 1,0 / 1 x 2,08 x 1.0 / 1 x 2.0	
	Litz wire cross-sections [mm²]	0.06 ... 2.5		0.06 ... 2.5		0.08 ... 1.0 / 0.06 ... 2.5	
	Pin assignment	Male	Female	Male	Female	Male	Female
							
Device connectors, straight, front mounting							
	Solder connection, flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 2.7 mm	1339315	1339317	1339319	1339322	1339324	1339326
	Solder connection, flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm	1339314	1339316	1339318	1339321	1339323	1339325
	Solder connection, flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.2 mm	—	—	—	—	—	—
	Crimp connection, flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 2.7 mm	1132736	1132558	1132738	1132737	1132741	1132740
	Crimp connection, flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm	1629095	1629094	1629092	1629093	1629090	1629091
	Crimp connection, flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.2 mm	—	—	—	—	—	—
Device connectors, angled, rotatable, front mounting							
	Crimp connection, flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.1 mm	1341925	1341926	1341927	1341929	1341930	1341932
	Crimp connection, flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.1 mm	1341934	1341933	1341935	1341948	1341950	1341949
Device connector, front mounting, Pg13.5 fastening thread							
	Screw-in versions for front and rear mounting on request						
Device connector, rear mounting, M25 x 1.5 fastening thread							
	Screw-in versions for front and rear mounting on request						

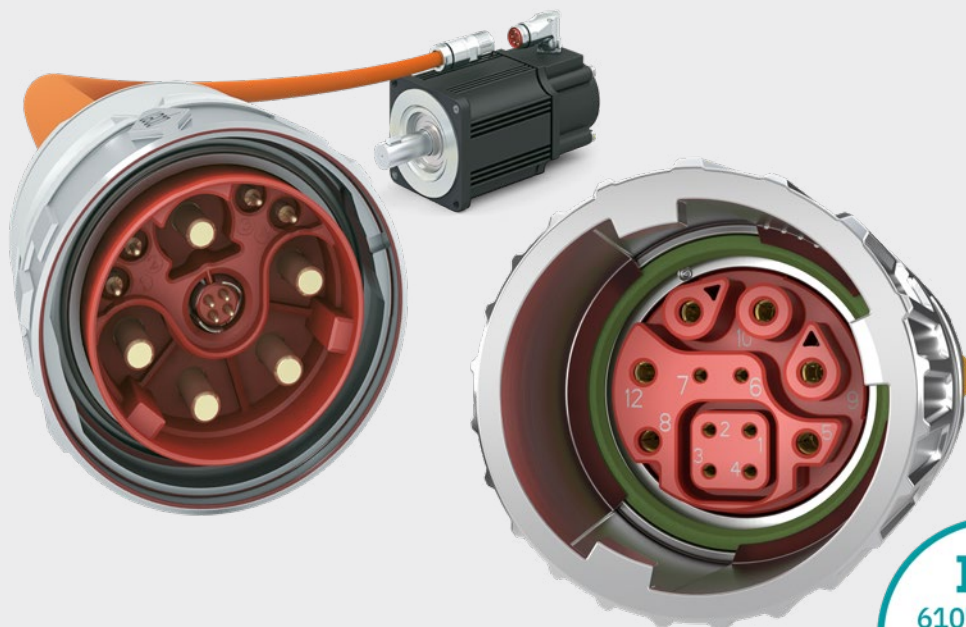
¹⁾ Rated current for maximum connection cross-section.

Please order crimp contacts separately. You will find the matching crimp contacts in the “Accessories” area on the respective product page at phoenixcontact.com.

12-pos.		12-pos. reverse		16-pos.		17-pos.		19(16+2+PE)- pos.		19(16+3)- pos.	
Crimp, solder		Crimp		Crimp, solder		Crimp, solder		Crimp		Crimp, solder	
150		150		125		125		150		150	
8		8		8		8		8 / 10		8 / 10	
12 x 1.0		12 x 1.0		16 x 1.0		17 x 1.0		16 x 1,0 / 3 x 1,5		16 x 1,0 / 3 x 1,5	
0.08 ... 1.0		0.08 ... 1.0		0.08 ... 1.0		0.08 ... 1.0		0.08 ... 1.0 / 0.08 ... 1.0		0.08 ... 1.0 / 0.08 ... 1.0	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
											
1339330	1339333	1543921	1543924	1679717	1679720	1339336	1339339	–	–	–	1326010
1339327	1320259	1543918	1543917	1679710	1679718	1339334	1339337	–	–	1339340	1339341
1339329	1339332	1543920	1543923	1679716	1679719	1339335	1339338	–	–	–	–
1132744	1132742	1329289	1329280	1681137	1681138	1132747	1132745	–	–	1718623	1718624
1629088	1629089	1329286	1329278	1681133	1681135	1629086	1629087	1629084	1629085	1718620	1718622
1629082	1629083	1329288	1329279	1681134	1681136	1629080	1629081	–	–	–	–
1628498	1628499	1069328	1069327	1681475	1681478	1628496	1628497	–	–	1718625	1718626
1628494	1628495	1069330	1069329	1681477	1681479	1628492	1628493	–	–	–	–

M17 to M40 hybrid connectors

The M17, M23, and M40 hybrid connectors from Phoenix Contact enable you to reliably transmit power, signals, and data – all in a single connector. By combining several functions in one housing, you save space on the device and time during installation. The new M17 PRO hybrid connectors have been developed in accordance with the international standard IEC 61076-2-117 and extend the portfolio with a compact solution for high-performance applications.



HYBRID

Hybrid connectors up to 70 A/850 V DC/630 V AC

- Transmission of signals, data, and power in just a single connector
- M17 hybrid connectors based on IEC 61076-2-117
- Sizes M17, M23, and M40
- Connectors with external thread suitable for standard and fast locking
- Data interface, optionally with 4-position CAT5 shielded, 6-position shielded, 4-position signal unshielded, and without insert for sizes M23 and M40
- Connection cross-sections of up to 16 mm²

M17 PRO HYBRID, the first circular connector in size M17 with IEC pin connector pattern

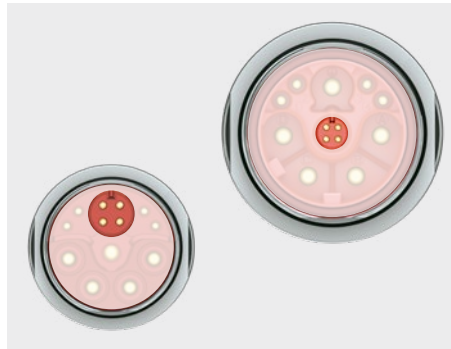


Your advantages at a glance



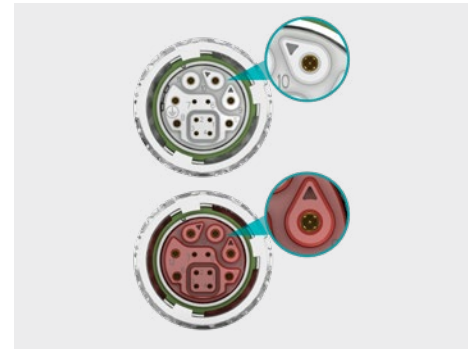
Reliable data transmission

Various pin assignments: reliable transmission of data (CAT5, RS485/EnDat 2,2), signals, and power.



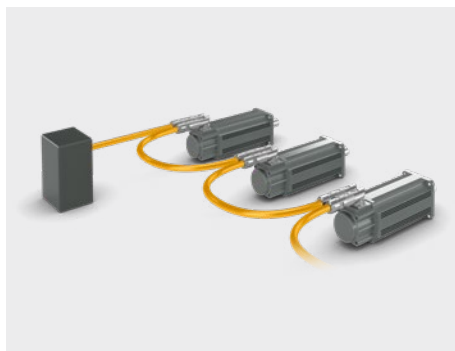
Additional flexibility

Pin assignments 8+4+PE or 4+4+PE: by replacing or eliminating the data interface for sizes M23 and M40.



Secure connection

M17 with mechanical coding for all pin assignments reliably prevents mismatching.



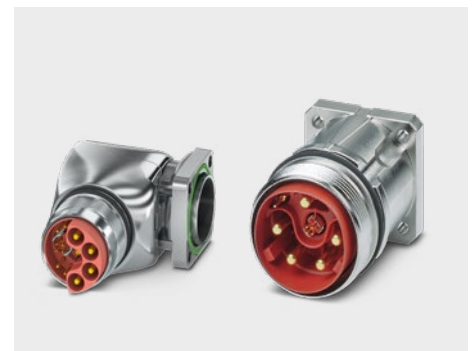
Reduced cabling effort

Daisy chain application with hybrid connectors for distributed drive concepts.



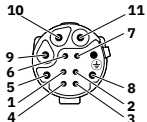
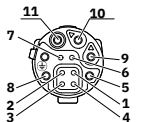
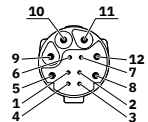
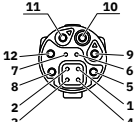
Variable fitting

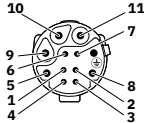
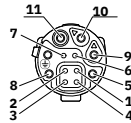
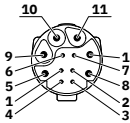
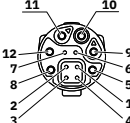
All housings can be fitted with male or female contacts.



Versatile device connection technology

Angled rotatable device connectors with infinitely variable adjustment of the outlet direction up to 310°.

M17		(4+4+3+PE)-pos.		(4+4+4)-pos.		
Web code: #3904 RoHS Pb < 0,1%	Signal type	Data / signal, unshielded		Data / signal, unshielded		
	Connection method	Crimp		Crimp		
	Rated voltage [V AC/DC]	50 / 50 / 50 / 630/850		50 / 50 / 50		
	Rated current ¹⁾ [A]	3.6 / 3.6 / 10 / 16		3.6 / 3.6 / 10 / 16		
	Number of contacts / diameter [mm]	4 x 0.6 / 2 x 0.6 / 2 x 1 / 4 x 1		4 x 0.6 / 2 x 0.6 / 2 x 1 / 4 x 1		
	Litz wire cross-sections [mm²]	0.08 ... 0.34 / 0.06 ... 0.5 / 0.06 ... 0.75 / 0.06 ... 1.5		0.08 ... 0.34 / 0.06 ... 0.5 / 0.06 ... 0.75 / 0.06 ... 1.5		
	Pin assignment	Male	Female	Male	Female	
						
Cable connectors, ONECLICK fast-locking system						
	Cable clamping range [mm]	8.5 ... 12	1550175	1549165	1550182	1550178
ONECLICK Technology ¹⁾ Designed by Phoenix Contact						
Coupler connector						
	Cable clamping range [mm]	8.5 ... 12	1550185	1550184	1550188	1550186
Hybrid cables (accessories)						
	Cable length [m]	1	1681099			
		10	1681103			

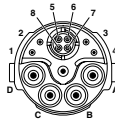
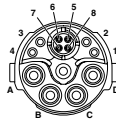
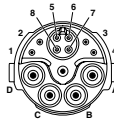
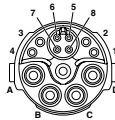
M17		(4+4+3+PE)-pos.		(4+4+4)-pos.		
Web code: #3904 RoHS Pb < 0,1%	Signal type	Data / signal, unshielded		Data / signal, unshielded		
	Connection method	Crimp		Crimp		
	Rated voltage [V AC/DC]	50 / 50 / 50 / 630/850		50 / 50 / 50		
	Rated current ¹⁾ [A]	3.6 / 3.6 / 10 / 16		3.6 / 3.6 / 10 / 16		
	Number of contacts / diameter [mm]	4 x 0.6 / 2 x 0.6 / 2 x 1 / 4 x 1		4 x 0.6 / 2 x 0.6 / 2 x 1 / 4 x 1		
	Litz wire cross-sections [mm²]	0.08 ... 0.34 / 0.06 ... 0.5 / 0.06 ... 0.75 / 0.06 ... 1.5		0.08 ... 0.34 / 0.06 ... 0.5 / 0.06 ... 0.75 / 0.06 ... 1.5		
	Pin assignment	Male	Female	Male	Female	
						
Device connectors, straight, front mounting						
		Flange dimensions 21.6 mm x 21.6 mm Mounting holes: 4 x Ø 2.7 mm	1552209	1552210	1552215	1552213
Device connectors, angled, rotatable, front mounting						
		Flange dimensions 21.6 mm x 21.6 mm Mounting holes: 4 x Ø 2.7 mm	1549166	1550191	1550194	1550192
		Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.1 mm	1550190	1550189	1550197	1550196

M23			13(4+4+4+PE)-pos.		13(8+4+PE)-pos.		
Web code: #0254 RoHS Pb < 0,1%	Signal type		Data, shielded		Signal, unshielded		
	Connection method		Crimp		Crimp		
	Rated voltage	[V AC/DC]	50 / 50 / 630/850		50 / 630/850		
	Rated current ¹⁾	[A]	3.6 / 8 / 30		8 / 30		
	Number of contacts / diameter	[mm]	4 x 0.8 / 4 x 1 / 5 x 2		8 x 1 / 5 x 2		
	Litz wire cross-sections	[mm²]	0.06 ... 0.5 / 0.06 ... 1.0 / 0.25 ... 4.0		0.06 ... 1.0 / 0.25 ... 4.0		
	Pin assignment		Male	Female	Male	Female	
Cable connectors, SPEEDCON fast-locking system							
 	Cable clamping range	[mm]	7.5 ... 18	1621529	1621517	1621534	1621524
			7.5 ... 9	1621530	1621520	1621535	1621525
			9 ... 12	1621531	1621521	1621536	1621526
			12 ... 15	1621532	1621522	1621537	1621527
			15 ... 18	1621533	1621523	1621538	1621528
Cable connectors, standard locking							
 	Cable clamping range	[mm]	7.5 ... 18	1622007	1621997	1622012	1622002
			7.5 ... 9	1622008	1621998	1622013	1622003
			9 ... 12	1622009	1621999	1622014	1622004
			12 ... 15	1622010	1622000	1622015	1622005
			15 ... 18	1622011	1622001	1622016	1622006
Coupler connector							
 	Cable clamping range	[mm]	7.5 ... 18	1621549	1621539	1621554	1621544
			7.5 ... 9	1621550	1621540	1621555	1621545
			9 ... 12	1621551	1621541	1621556	1621546
			12 ... 15	1621552	1621542	1621557	1621547
			15 ... 18	1621553	1621543	1621558	1621548
Hybrid cables (accessories)							
	Cable length	[m]	1	1623127			
			20	1622080			
			100	1623039			

¹⁾ Rated current for maximum connection cross-section.

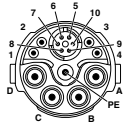
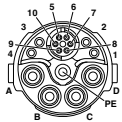
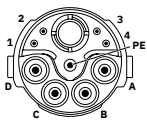
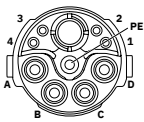
The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing.

Please order crimp contacts separately. You will find the matching crimp contacts in the "Accessories" area on the respective product page at phoenixcontact.com.

M23		13(4+4+4+PE)-pos.		13(8+4+PE)-pos.	
Web code: #0254 Web code: #3907 RoHS Pb < 0,1%	Signal type	Data, shielded		Signal, unshielded	
	Connection method	Crimp		Crimp	
	Rated voltage [V AC/DC]	50 / 50 / 630/850		50 / 630/850	
	Rated current ¹⁾ [A]	3.6 / 8 / 30		8 / 30	
	Number of contacts / diameter [mm]	4 x 0.8 / 4 x 1 / 5 x 2		8 x 1 / 5 x 2	
	Litz wire cross-sections [mm²]	0.06 ... 0.5 / 0.06 ... 1.0 / 0.25 ... 4.0		0.06 ... 1.0 / 0.25 ... 4.0	
	Pin assignment	Male	Female	Male	Female
					
Device connectors, front mounting					
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm	1621569	1621567	1621570	1621568
Device connectors, with knurled nut, SPEEDCON fast-locking system, front mounting					
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm 	1096285	1096284	1096286	1096282
Device connectors, angled, rotatable, front mounting					
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm	1621565	1621563	1621566	1621564
	Flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.2 mm	1621561	1621559	1621562	1621560
Device connectors, rear mounting					
	Central fastening M26 x 1	1627205	1624344	1627206	1627204
Device connectors, solder connection, rear mounting, for wave soldering processes (only male versions available)					
 NEW	with screw locking mechanism	1840871 11(4+2+4+PE)-pos.		1554151 13(4+4+4+PE)-pos.	
	without screw locking mechanism	—		1555734 13(4+4+4+PE)-pos.	
Single parts					
	Contact carrier, fully equipped	1524754 4+4+4+PE			
	Contact carrier, partially equipped	1835953 4+2+4+PE			
	Housing	1555725			
	Flat gasket	1692442			
	Locknut (with screw locking mechanism)	1555723			
	Locknut (without screw locking mechanism)	1821856			
	Extender	1555726			

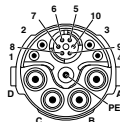
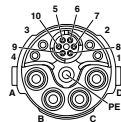
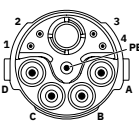
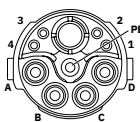
¹⁾ Rated current for maximum connection cross-section.

Please order crimp contacts separately. You will find the matching crimp contacts in the “Accessories” area on the respective product page at phoenixcontact.com.

M23		15(6+4+4+PE)-pos.		9(4+4+PE)-pos.		
Web code: #0254 RoHS Pb < 0,1%	Signal type	Data, shielded		—		
	Connection method	Crimp		Crimp		
	Rated voltage [V AC/DC]	50 / 50 / 630/850		50 / 630/850		
	Rated current ¹⁾ [A]	3.6 / 8 / 30		8 / 30		
	Number of contacts / diameter [mm]	6 x 0.6 / 4 x 1 / 5 x 2		4 x 1 / 5 x 2		
	Litz wire cross-sections [mm²]	0.06 ... 0.25 / 0.06 ... 1.0 / 0.25 ... 4.0		0.06 ... 1.0 / 0.25 ... 4.0		
	Pin assignment	Male	Female	Male	Female	
						
Cable connectors, SPEEDCON fast-locking system						
	Cable clamping range ²⁾ [mm]	12 ... 15	1157072	1157073	1627107	1105729
						
Coupler connector						
	Cable clamping range ²⁾ [mm]	12 ... 15	1762781	1762780	1105738	1762769

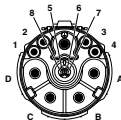
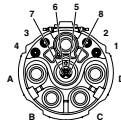
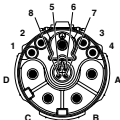
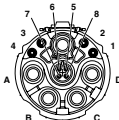
¹⁾ Rated current for maximum connection cross-section.

²⁾ Preferred types, other cable clamping ranges on request. The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing.
Please order crimp contacts separately. You will find the matching crimp contacts in the “Accessories” area on the respective product page at phoenixcontact.com.

M23		15(6+4+4+PE)-pos.		9(4+4+PE)-pos.	
Web code: #0254 RoHS Pb < 0,1%	Signal type	Data, shielded		–	
	Connection method	Crimp		Crimp	
	Rated voltage [V AC/DC]	50 / 50 / 630/850		50 / 630/850	
	Rated current ¹⁾ [A]	3.6 / 8 / 30		8 / 30	
	Number of contacts / diameter [mm]	6 x 0.6 / 4 x 1 / 5 x 2		4 x 1 / 5 x 2	
	Litz wire cross-sections [mm²]	0.06 ... 0.25 / 0.06 ... 1.0 / 0.25 ... 4.0		0.06 ... 1.0 / 0.25 ... 4.0	
	Pin assignment	Male	Female	Male	Female
					
Device connectors, front mounting					
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm	1568970	1568969	1762773	1762772
Device connectors, with knurled nut, SPEEDCON fast-locking system, front mounting					
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm 	1568974	1568973	1762779	1762778
Device connectors, angled, rotatable, front mounting					
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm	1284853	1359727	1099395	1154847
	Flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.2 mm	1568968	1568966	1105725	1762771
Device connectors, rear mounting					
	Central fastening M26 x 1	1568972	1568971	1762777	1762775

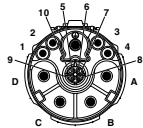
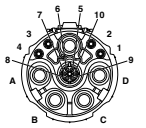
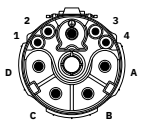
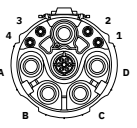
¹⁾ Rated current for maximum connection cross-section.

Please order crimp contacts separately. You will find the matching crimp contacts in the “Accessories” area on the respective product page at phoenixcontact.com.

M40				13(4+4+4+PE)-pos.		13(4+4+4+PE)-pos.	
Web code: #0560 RoHS Pb < 0,1%	Signal type		Data, shielded		Signal, unshielded		
	Connection method		Crimp		Crimp		
	Rated voltage	[V AC/DC]	50 / 500 / 630/850		50 / 500 / 630/850		
	Rated current ¹⁾	[A]	3.6 / 8 / 70		8 / 8 / 70		
	Number of contacts / diameter	[mm]	4 x 0.8 / 4 x 1 / 5 x 3.6		4 x 1 / 4 x 1 / 5 x 3.6		
	Litz wire cross-sections	[mm²]	0.06 ... 0.5 / 0.06 ... 1.5 / 1.5 ... 16.0		0.06 ... 1.0 / 0.06 ... 1.5 / 1.5 ... 16.0		
	Pin assignment		Male	Female	Male	Female	
							
Cable connectors, SPEEDCON fast-locking system							
	Cable clamping range	[mm]	9 ... 14	1623332	1623324	1623335	1623329
			14 ... 20.5	1623333	1623327	1623336	1623330
			20.5 ... 26.5	1623334	1623328	1623337	1623331
							
Coupler connector							
	Cable clamping range	[mm]	9 ... 14	1623356	1623339	1623359	1623344
			14 ... 20.5	1623357	1623341	1623360	1623345
			20.5 ... 26.5	1623358	1623342	1623361	1623346
Hybrid cables (accessories)							
	Cable length	[m]	1	1627298			
			20	1627299			
Device connectors, front mounting							
	Flange dimensions: 40 mm x 40 mm Mounting holes: 4 x Ø 4.2 mm			1623374	1623371	1623375	1623372
Device connectors, angled, rotatable, front mounting							
	Flange dimensions: 40 mm x 40 mm Mounting holes: 4 x Ø 4.4 mm			1623368	1623365	1623369	1623366

¹⁾ Rated current for maximum connection cross-section.

Please order crimp contacts separately. You will find the matching crimp contacts in the "Accessories" area on the respective product page at phoenixcontact.com.

M40		15(6+4+4+PE)-pos.		9(4+4+PE)-pos.		
Web code: #0560 RoHS Pb < 0,1%	Signal type	Data, shielded		–		
	Connection method	Crimp		Crimp		
	Rated voltage [V AC/DC]	50 / 500 / 630/850		500 / 630/850		
	Rated current ¹⁾ [A]	3.6 / 8 / 70		8 / 70		
	Number of contacts / diameter [mm]	6 x 0.6 / 4 x 1 / 5 x 3.6		4 x 1 / 5 x 3.6		
	Litz wire cross-sections [mm²]	0.06 ... 0.25 / 0.06 ... 1.5 / 1.5 ... 16.0		0.06 ... 1.0 / 0.06 ... 1.5 / 1.5 ... 16.0		
	Pin assignment	Male	Female	Male	Female	
						
Cable connectors, SPEEDCON fast-locking system						
	Cable clamping range ²⁾ [mm]	14 ... 20.5	1314971	1314992	1027472	1105744
		20.5 ... 26.5	1314972	1314993	1627076	1105746
Coupler connector						
	Cable clamping range ²⁾ [mm]	14 ... 20.5	1314974	1314996	1105747	1315500
		20.5 ... 26.5	1314975	1314998	1314975	1315502
Device connectors, front mounting						
	Flange dimensions: 40 mm x 40 mm Mounting holes: 4 x Ø 4.2 mm		1314981	1315000	1762785	1762784
Device connectors, angled, rotatable, front mounting						
	Flange dimensions: 40 mm x 40 mm Mounting holes: 4 x Ø 4.4 mm		1314978	1314999	1099398	1762782

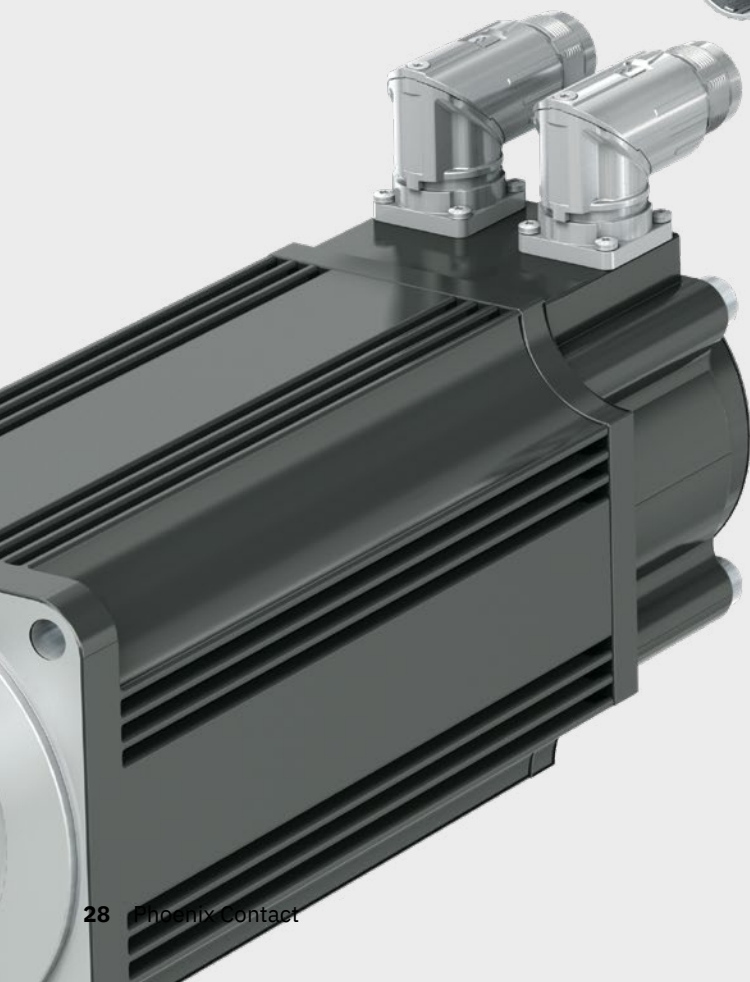
¹⁾ Rated current for maximum connection cross-section.

²⁾ Preferred types, other cable clamping ranges on request. The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing.

Please order crimp contacts separately. You will find the matching crimp contacts in the “Accessories” area on the respective product page at phoenixcontact.com.

M17 to M58 power connectors

For the fast and reliable connection of electrical drives: The power connectors from Phoenix Contact transmit currents of up to 150 A at 630 V – efficient, compact, and easy to install. Installation is particularly easy and secure with the radial clipping of the contacts into the side of the contact carrier and the integrated shield. The result is significantly reduced installation times, minimized sources of error, and a robust connection for demanding industrial applications.



POWER

Power connectors up to 150 A/630 V

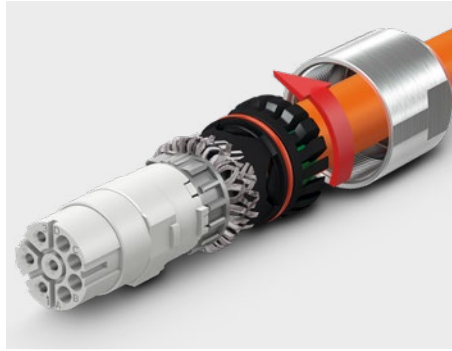
- Sizes M17, M23, M40, and M58
- Connectors with external thread suitable for standard and fast locking
- 3+PE up to 5+3+PE
- Connection cross-sections of up to 50 mm²
- IP67 degree of protection

Your advantages at a glance



Fast installation

Lateral clip-in of contacts saves mounting time.



Simple shield

Protruding braided shield is simply screwed in, 360° shield connection.



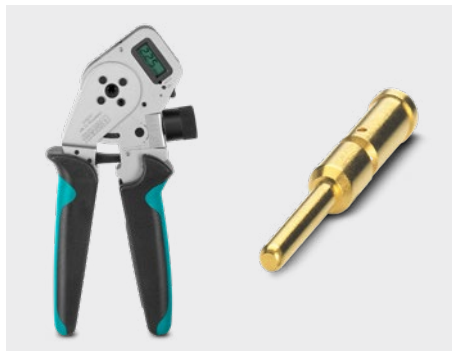
Flexible connection

Numerous housing designs for the device and cable side in sizes M17 to M58.



Flexible cable outlet

Rotatable device connectors with infinitely variable adjustment of the outlet direction up to 310°.



Crimp connection

Vibration- and temperature-resistant assembly.



Simple device integration

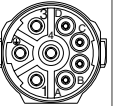
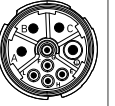
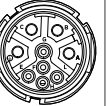
Device connectors for front and rear mounting for various installation situations.

M17			4(3+PE)-pos.	
Web code: #4287 RoHS Pb < 0,1%	Connection method		Crimp	
	Rated voltage [V AC/DC]		630	
	Rated current ¹⁾ [A]		20	
	Number of contacts / diameter [mm]		4x 1.5	
	Litz wire cross-sections [mm²]		0.25 ... 2.5	
	Pin assignment		Male	Female
				
Cable connectors, ONECLICK fast-locking system				
	Cable clamping range [mm]	3.5 ... 6.5	1069487	1069490
		5.5 ... 9.5	1069488	1069491
		8.5 ... 12	1069489	1069492
ONECLICK Technology [®] Designed by Phoenix Contact				
Cable connectors, standard locking				
	Cable clamping range [mm]	3.5 ... 6.5	1069481	1069484
		5.5 ... 9.5	1069482	1069485
		8.5 ... 12	1069483	1069486
Coupler connector				
	Cable clamping range [mm]	3.5 ... 6.5	1069495	1069498
		5.5 ... 9.5	1069496	1069499
		8.5 ... 12	1069497	1069509
Device connectors, front mounting				
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm		1069502	1069500
	Flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.2 mm		1069503	1069504
Device connectors, angled, rotatable, front mounting				
	Flange dimensions 21.6 x 21.6 mm Mounting hole 4 x 2.7		1681097	1695536
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.1 mm		1069505	1069506
	Flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.1 mm		1069507	1069508
Device connectors, front mounting, for screw fastening				
	M18 x 0,75 mm fastening thread		1820982	1820984

¹⁾ Rated current for maximum connection cross-section.

The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing. Please order crimp contacts separately. You will find the matching crimp contacts in the "Accessories" area on the respective product page at phoenixcontact.com.

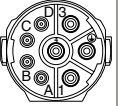
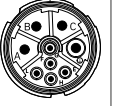
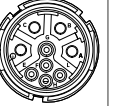
6(5+PE)-pos.		7(6+PE)-pos.		8(7+PE)-pos.		9(5+3+PE)-pos.	
Crimp		Crimp		Crimp		Crimp	
630		630		630		60 / 630	
14		14		14		3.6 / 14	
6 x 1.0		7 x 1.0		8x 1.0		5 x 0.6 / 4 x 1.0	
0.06 ... 1.0		0.06 ... 1.0		0.06 ... 1.0		0.06 ... 0.5 / 0.06 ... 1.0	
Male	Female	Male	Female	Male	Female	Male	Female
							
1628998	1628995	1628992	1628989	1628986	1628983	1628980	1628977
1628997	1628994	1628991	1628988	1628985	1628982	1628979	1628976
1628996	1628993	1628990	1628987	1628984	1628981	1628978	1628975
1629040	1629037	1629034	1629031	1629028	1629025	1629022	1629019
1629039	1629036	1629033	1629030	1629027	1629024	1629021	1629018
1629038	1629035	1629032	1629029	1629026	1629023	1629020	1629017
1628956	1628953	1628950	1628947	1628944	1628941	1628938	1628935
1628955	1628952	1628949	1628946	1628943	1628940	1628937	1628934
1628954	1628951	1628948	1628945	1628942	1628939	1628936	1628933
1628920	1628919	1628916	1628915	1628912	1628911	1628908	1628907
1628918	1628917	1628914	1628913	1628910	1628909	1628906	1628905
1695539	1695541	1695542	1695543	1695544	1695546	1695548	1695550
1628515	1628514	1628511	1628510	1628507	1628506	1628503	1628502
1628513	1628512	1628509	1628508	1628505	1628504	1628501	1628500
1820986	1820994	1806110	1820997	1820998	1820999	1821001	1821002

M23			6(5+PE)-pos.		8(4+3+PE)-pos.		9(5+3+PE)-pos.	
Web code: #2067 RoHS Pb < 0,1%	Connection method		Crimp		Crimp		Crimp	
	Rated voltage [V AC/DC]		630		250 / 630		250 / 630	
	Rated current ¹⁾ [A]		30		9 / 30		9 / 30	
	Number of contacts / diameter [mm]		6 x 2		4 x 1 / 4 x 2		5 x 1 / 4 x 2	
	Litz wire cross-sections [mm²]		0.25 ... 4.0		0.06 ... 1.0 / 0.25 ... 4.0		0.06 ... 1.0 / 0.25 ... 4.0	
	Pin assignment		Male	Female	Male	Female	Male	Female
								
Cable connectors, ONECLICK fast-locking system								
	Cable clamping range [mm]	5.5 ... 15	1628871	1628815	1628867	1628811	-	-
	Short version Cable Ø 5.5 mm ... 14.5 mm ONECLICK Technology  Designed by Phoenix Contact	5.5 ... 8	1628874	1628818	1628869	1628813	-	-
		7.5 ... 12	1628873	1628817	1628870	1628814	-	-
		9.5 ... 14.5	1628872	1628816	1628868	1628812	-	-
	Cable clamping range [mm]	7.5 ... 17	1628852	1628796	1628847	1628791	-	On request
	Long version Cable Ø 5.5 mm ... 17 mm ONECLICK Technology  Designed by Phoenix Contact	5.5 ... 8	1628856	1628800	1628850	1628795	-	On request
		7.5 ... 12	1628855	1628799	1628851	1628794	-	On request
		9.5 ... 14.5	1628854	1628798	1628849	1628793	-	1468703
		14 ... 17	1628853	1628797	1628848	1628792	-	1468704
Cable connectors, standard locking								
	Cable clamping range [mm]	5.5 ... 15	1628879	1628823	1628875	1628819	-	-
	Short version Cable Ø 5.5 mm ... 14.5 mm	5.5 ... 8	1628882	1628826	1628878	1628822	-	-
		7.5 ... 12	1628881	1628825	1628877	1628821	-	-
		9.5 ... 14.5	1628880	1628824	1628876	1628820	-	-
	Cable clamping range [mm]	7.5 ... 17	1628862	1628806	1628857	1628801	-	On request
	Long version Cable Ø 5.5 mm ... 17 mm	5.5 ... 8	1628866	1628810	1628861	1628805	-	On request
		7.5 ... 12	1628865	1628809	1628860	1628804	-	On request
		9.5 ... 14.5	1628864	1628808	1628859	1628803	-	1468707
		14 ... 17	1628863	1628807	1628858	1628802	-	1468705
Coupler connector								
	Cable clamping range [mm]	5.5 ... 15	1628786	1628842	1628780	1628836	-	-
	Cable Ø 5.5 mm ... 17 mm	7.5 ... 17	1628785	1628841	1628779	1628835	On request	-
		5.5 ... 8	1628790	1628846	1628784	1628840	On request	-
		7.5 ... 12	1628789	1628845	1628783	1628839	On request	-
		9.5 ... 14.5	1628788	1628844	1628782	1628838	1468710	-
		14 ... 17	1628787	1628843	1628781	1628837	1468709	-

¹⁾ Rated current for maximum connection cross-section.

The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing.

Please order crimp contacts separately. You will find the matching crimp contacts in the "Accessories" area on the respective product page at phoenixcontact.com.

M23		6(5+PE)-pos.		8(4+3+PE)-pos.		9(5+3+PE)-pos.	
 	Connection method	Crimp		Crimp		Crimp	
	Rated voltage [V AC/DC]	630		250 / 630		250 / 630	
	Rated current ¹⁾ [A]	30		9 / 30		9 / 30	
	Number of contacts/diameter [mm]	6 x 2		4 x 1 / 4 x 2		5 x 1 / 4 x 2	
	Litz wire cross-sections [mm²]	0.25 ... 4.0		0.06 ... 1.0 / 0.25 ... 4.0		0.06 ... 1.0 / 0.25 ... 4.0	
	Pin assignment	Male	Female	Male	Female	Male	Female
							
Device connectors, straight, front mounting							
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm	1628778	1628834	1628777	1628833	1468713	-
	Flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.2 mm	1628776	1628832	1628775	1628831	1468714	-
Device connectors, angled, rotatable, front mounting							
	Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.1 mm	1628487	1628491	1628486	1628490	1468711	-
	Flange dimensions: 28 mm x 28 mm Mounting holes: 4 x Ø 3.1 mm	1628485	1628489	1628484	1628488	1468712	-
Device connectors, with knurled nut, front mounting							
	Straight Flange dimensions: 26 mm x 26 mm Mounting holes: 4 x Ø 3.2 mm	Article on request					

¹⁾ Rated current for maximum connection cross-section.

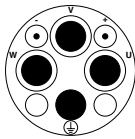
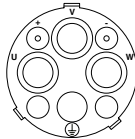
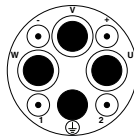
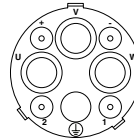
Please order crimp contacts separately. You will find the matching crimp contacts in the "Accessories" area on the respective product page at phoenixcontact.com.

M40		6(2+3+PE)-pos.		8(4+3+PE)-pos.		
Web code: #0270 RoHS Pb < 0,1%	Connection method	Crimp		Crimp		
	Rated voltage [V AC/DC]	250 / 630		250 / 630		
	Rated current ¹⁾ [A]	30 / 70		30 / 70		
	Number of contacts / diameter [mm]	2 x 2 / 4 x 3,6		2 x 2 / 4 x 3,6 / 4 x 2 / 4 x 3,6		
	Litz wire cross-sections [mm²]	0.06 ... 4.0 / 0.25 ... 16.0		0.06 ... 4.0 / 0.25 ... 16.0		
	Pin assignment	Male	Female	Male	Female	
Cable connectors						
	Cable clamping range [mm]	9 ... 14	–	1613518	–	1613528
	Connection cross-sections of up to 16 mm²	14 ... 20.5	–	1613519	–	1613529
		20.5 ... 26.5	–	1613520	–	1613530
Coupler connector						
	Cable clamping range [mm]	9 ... 14	1613425	–	1613431	–
	Connection cross-sections of up to 16 mm²	14 ... 20.5	1613426	–	1613432	–
		20.5 ... 26.5	1613427	–	1613433	–
Device connectors, front mounting						
	Straight, flange dimensions 40 mm x 40 mm Mounting holes: 4 x Ø 4.2 mm Connection cross-section up to 10 mm²	1613517	–	1613527	–	
	Angled, rotatable, flange dimensions 40 mm x 40 mm Mounting holes: 4 x Ø 4.4 mm Connection cross-section up to 10 mm²	1620663	–	1620664	–	
Device connectors, with knurled nut, standard locking, front mounting						
	Straight, flange dimensions 40 mm x 40 mm Mounting holes: 4 x Ø 4.2 mm Connection cross-section up to 16 mm²	–	1605823	–	1605865	
	Angled, flange dimensions 40 mm x 40 mm Mounting holes: 4 x Ø 4.2 mm Connection cross-section up to 16 mm²	–	1607532	–	1607543	

¹⁾ Rated current for maximum connection cross-section.

The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing. Please order crimp contacts separately. You will find the matching crimp contacts in the "Accessories" area on the respective product page at phoenixcontact.com.

POWER

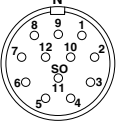
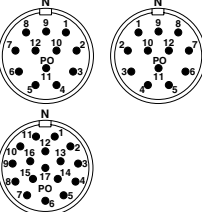
M58			6(2+3+PE)-pos.		8(4+3+PE)-pos.	
Web code: #0273 RoHS Pb < 0,1%	Connection method		Crimp		Crimp	
	Rated voltage [V AC/DC]		250 / 630		250 / 630	
	Rated current ¹⁾ [A]		12 / 150		12 / 150	
	Number of contacts / diameter [mm]		2 x 1.6 / 4 x 10		4 x 1.6 / 4 x 10	
	Litz wire cross-sections [mm²]		0.75 ... 1.5 / 10 ... 50		0.75 ... 1.5 / 10 ... 50	
	Pin assignment		Male	Female	Male	Female
						
Cable connectors, standard locking						
	Cable clamping range [mm]	17 ... 25	–	1607503	–	1607508
		25 ... 36	–	1607501	–	1607507
Coupler connector						
	Cable clamping range [mm]	17 ... 25	1607500	–	1607506	–
		25 ... 36	1607499	–	1607505	–
Device connectors, front mounting						
	Flange dimensions: 60 mm x 60 mm Mounting holes: 4 x Ø 5.4 mm		1615686	–	1615687	–

¹⁾ Rated current for maximum connection cross-section.

The cable clamping ranges specified may vary depending on the cable material and cable design. The user is responsible for selection and testing.

Please order crimp contacts separately. You will find the matching crimp contacts in the “Accessories” area on the respective product page at phoenixcontact.com.

SIGNAL

M17 and M23 signal connectors, plastic-molded			M17 straight	M23 straight	M23 angled
			17-pos. standard	12-pos. reverse	12-pos. reverse
Cable type			E01	E00	E00
Cable design [mm²]			3 × 2 × 0.14 + 2 × 0.5 + 4 × 0.14 + 4 × 0.22	4 × 2 × 0.25 + 2 × 0.5	4 × 2 × 0.25 + 2 × 0.5
Cable color			Green	Orange	Orange
Rated voltage [V AC/DC]			48 / 74	48 / 74	48 / 74
Rated current [A]			3.6	9	9
Temperature range, flexible [°C]			-30 ... +60	-20 ... +60	-20 ... +60
Temperature range, fixed [°C]			-30 ... +80	-40 ... +80	-40 ... +80
Grip / sheath / wire insulation material			TPU / TPU / TPM	TPU / TPU / PP	TPU / TPU / PP
Pin assignment			Female	Female	Female
  Pb < 0,1%					
					
Free cable end	Pin assignment	Cable length			
		2 m	1624780	1619247	1619280
		5 m	1624781	1619248	1619281
		10 m	1624782	1619249	1619282
M17, male	17-pos.				
		2 m	1624778	—	—
		5 m	1624783	—	—
		10 m	1624784	—	—
M23, male	12- / 17-pos.				
		2 m	—	1619289	—
		5 m	—	1619290	—
		10 m	—	1619291	—

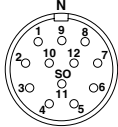
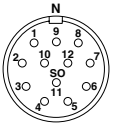
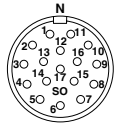
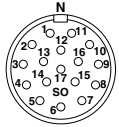
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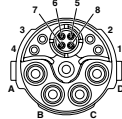
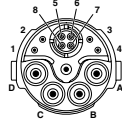
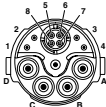
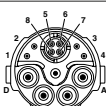
Assignment: cable type E00, feedback, 12-pos.

Pin	Wire color	Pin	Wire color
1	PK	7	VT
2	RD	8	GY
3	BK	9	Outer shield
4	BU	10	WH
5	BN	11	n.c.
6	GN	12	BN

Assignment: cable type E01, feedback, 17-pos.

Pin	Wire color	Pin	Wire color
1	YE	10	BNRD
2	GN	11	BK
3	RD	12	BN
4	n.c.	13	OG
5	BU	14	WHBK
6	n.c.	15	BNGY
7	BNBU	16	BNYE
8	GNBK	17	n.c. Inner shields on housing
9	GNRD		

M23 straight	M23 angled	M23 straight	M23 angled
12-pos. standard	12-pos. standard	17-pos. standard	17-pos. standard
E00	E00	E01	E01
4 x 2 x 0.25 + 2 x 0.5	4 x 2 x 0.25 + 2 x 0.5	3 x 2 x 0.14 + 2 x 0.5 + 4 x 0.14 + 4 x 0.22	3 x 2 x 0.14 + 2 x 0.5 + 4 x 0.14 + 4 x 0.22
Orange	Orange	Green	Green
48 / 74	48 / 74	48 / 74	48 / 74
9	9	9	9
-20 ... +60	-20 ... +60	-30 ... +60	-30 ... +60
-40 ... +80	-40 ... +80	-30 ... +80	-30 ... +80
TPU / TPU / PP	TPU / TPU / PP	TPU / TPU / TPM	TPU / TPU / TPM
Female	Female	Female	Female
			
			
1619250	1619285	1619277	1619286
1619273	1619283	1619278	1619287
1619274	1619284	1619279	1619288
-	-	-	-
-	-	-	-
-	-	-	-
1619292	-	1619295	-
1619293	-	1619296	-
1619294	-	1619297	-

M23 hybrid connectors, plastic-molded			M23 straight		M23 angled	
			13(4+4+4+PE)-pos. (CAT5, 100 Mbps)			
Cable type			H00		H00	
Cable design [mm²]			(5 x 2.5 + 4 x 22 AWG/C + 4 x 0.5)C		(5 x 2.5 + 4 x 22 AWG/C + 4 x 0.5)C	
Cable color			Orange		Orange	
Rated voltage [V AC/DC]			630 / 850		630 / 850	
Rated current [A]			26 / 8		26 / 8	
Temperature range, flexible [°C]			-20 ... +80		-20 ... +80	
Temperature range, fixed [°C]			-40 ... +80		-40 ... +80	
Grip / sheath / wire insulation material			TPU / PUR / TPE, polyolefin		TPU / PUR / TPE, polyolefin	
Pin assignment			Female		Male	
 Web code: #0282  RoHS Pb < 0,1%						
						
						
Free cable end	Pin assignment	Cable length				
		2 m	1622224	1622227	1622230	1622233
		5 m	1622225	1622227	1622231	1622234
		10 m	1622226	1622229	1622232	1622243
M23 straight, male	13(4+4+4+PE)-pos.					
		2 m	1622244	—	—	—
		5 m	1622245	—	—	—
		10 m	1622246	—	—	—
M23 straight, male	13(4+4+4+PE)-pos.					
		2 m	1622247	—	—	—
		5 m	1622248	—	—	—
		10 m	1622249	—	—	—
M23 angled, male	13(4+4+4+PE)-pos.					
		2 m	—	—	1622250	—
		5 m	—	—	1622251	—
		10 m	—	—	1622252	—

Customer-specific lengths are available on request.

Assignment: cable type H00, hybrid, 4+4+4+PE							
Pin	Wire color		Cross-section	Pin	Wire color		Cross-section
			[mm²]				[mm²]
A	BK1		2.5	3	BK		0.5
B	BK2		2.5	4	GN		0.5
C	BK3		2.5	5	BU		0.34
D	BK4		2.5	6	YE		0.34
PE	GNYE		2.5	7	WH		0.34
1	BN		0.5	8	OG		0.34
2	VT		0.5				

POWER

M17 power connectors, plastic-molded			M17 straight		M17 straight	
			4(3+PE)-pos.		6(5+PE)-pos.	
Cable type			B00	B01	C00	C01
Cable design [mm²]			4x 1.5	4 x 2.5	4 x 0.75 + 2 x 0.5	4 x 1.0 + 2 x 0.5
Cable color			Orange	Orange	Orange	Orange
Rated voltage [V AC/DC]			630	630	630	630
Rated current [A]			18	26	12 / 9	15 / 9
Temperature range, flexible [°C]			-20 ... +60	-20 ... +70	-30 ... +70	-5 ... +70
Temperature range, fixed [°C]			-40 ... +80	-50 ... +80	-40 ... +80	-30 ... +70
Grip / sheath / wire insulation material			TPU / PUR / TPM	TPU / TPU / TPM	TPU / PUR / TPM	TPU / PUR / TPE
Pin assignment			Female	Female	Female	Female
Web code: #0279 RoHS Pb < 0,1%    						
Free cable end	Pin assignment	Cable length				
		2 m	1619298	1619301	1619307	1619310
		5 m	1619299	1619302	1619308	1619311
		10 m	1619300	1619303	1619309	1619312
M17 straight, male	4- / 6-pos.					
	 	2 m	1619304	1619326	1619316	1619319
		5 m	1619305	1619327	1619317	1619321
		10 m	1619306	1619328	1619318	1619322

Customer-specific lengths are available on request.

Assignment: cable type B00/B01, servo, 3+PE

Pin	Wire color		Function
1	BK U		U motor
2	BK V		V motor
3	BK W		W motor
PE	GNYE		.PE

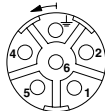
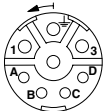
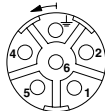
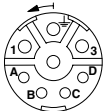
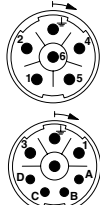
Assignment: cable type C00, servo, 5+PE

Pin	Wire color		Function
1	BK1		U motor
6	BK2		V motor
7	BK3		W motor
PE	GNYE		PE
3	BK5		Brake
4	BK6		Brake

Assignment: cable type C01, servo, 5+PE

Pin	Wire color		Function
1	BK U		U motor
6	BK V		V motor
7	BK W		W motor
PE	GNYE		PE
3	BK		Brake
4	WH		Brake

POWER

M23 power connectors, plastic-molded			M23 straight		M23 straight	
			6(5+PE)-pos.		8(4+3+PE)-pos.	
Cable type			C02	C03	D02	D03
Cable design [mm²]			4 x 1.5 + 2 x 1.5	4 x 2.5 + 2 x 1.5	4 x 1.5 + 2 x 2 x 0.75	4 x 2.5 + 2 x 2 x 1.0
Cable color			Orange	Orange	Orange	Orange
Rated voltage [V AC/DC]			630	630	630 / 250	630 / 250
Rated current [A]			18	26 / 18	18 / 12	26 / 12
Temperature range, flexible [°C]			-20 ... +60	-20 ... +70	-20 ... +60	-20 ... +60
Temperature range, fixed [°C]			-40 ... +80	-50 ... +80	-40 ... +80	-40 ... +80
Grip / sheath / wire insulation material			TPU / PUR / TPM	TPU / TPU / TPM	TPU / PUR / TPM	TPU / PUR / TPM
Pin assignment			Female		Female	
Web code: #0280 RoHS Pb < 0,1% <td colspan="2"></td> <td colspan="2"></td>						
						
Free cable end	Pin assignment	Cable length				
		2 m	1618957	1620396	1620399	1620402
		5 m	1618958	1620397	1620400	1620404
		10 m	1618959	1620398	1620401	1620405
M23 straight, male	6- / 8-pos.					
		2 m	1618964	1620406	1620409	1620412
		5 m	1618965	1620407	1620410	1620413
		10 m	1618966	1620408	1620411	1620414

Customer-specific lengths are available on request.

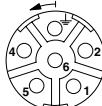
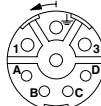
Assignment: cable type C02/C03, servo, 5+PE

Pin	Wire color	Function
1	BK U	U motor
6	BK V	V motor
7	BK W	W motor
PE	GN YE	PE
3	BK	Brake
4	WH	Brake

Assignment: cable type D02/D03, servo, 4+3+PE

Pin	Wire color	Function
1	BK 1	U motor
3	BK 2	V motor
4	BK 3	W motor
PE	GN YE	PE
A	BK 5	Brake
B	BK 6	Brake
C	BK 7	Temp +
D	BK 8	Temp -

POWER

M23 power connectors, plastic-molded		M23 angled		M23 angled	
		6(5+PE)-pos.		8(4+3+PE)-pos.	
Cable type		C02	C03	D02	D03
Cable design [mm²]		4 x 1.5 + 2 x 1.5	4 x 2.5 + 2 x 1.5	4 x 1.5 + 2 x 2 x 0.75	4 x 2.5 + 2 x 2 x 1.0
Cable color		Orange	Orange	Orange	Orange
Rated voltage [V AC/DC]		630	630	630 / 250	630 / 250
Rated current [A]		18	26 / 18	18 / 12	26 / 12
Temperature range, flexible [°C]		-20 ... +60	-20 ... +70	-20 ... +60	-20 ... +60
Temperature range, fixed [°C]		-40 ... +80	-50 ... +80	-40 ... +80	-40 ... +80
Grip / sheath / wire insulation material		TPU / PUR / TPM	TPU / TPU / TPM	TPU / PUR / TPM	TPU / PUR / TPM
Pin assignment		Female		Female	
 Web code: #0280 RoHS Pb < 0,1%					
					
Free cable end		Cable length			
	2 m	1620415	1620418	1620421	1620424
	5 m	1620416	1620419	1620422	1620425
	10 m	1620417	1620420	1620423	1620426

Customer-specific lengths are available on request.

Assignment: cable type C02/C03, servo, 5+PE			
Pin	Wire color		Function
1	BK U	●	U motor
6	BK V	●	V motor
7	BK W	●	W motor
PE	GN YE	●	PE
3	BK	●	Brake
4	WH	○	Brake

Assignment: cable type D02/D03, servo, 4+3+PE			
Pin	Wire color		Function
1	BK 1	●	U motor
3	BK 2	●	V motor
4	BK 3	●	W motor
PE	GN YE	●	PE
A	BK 5	●	Brake
B	BK 6	●	Brake
C	BK 7	●	Temp +
D	BK 8	●	Temp -

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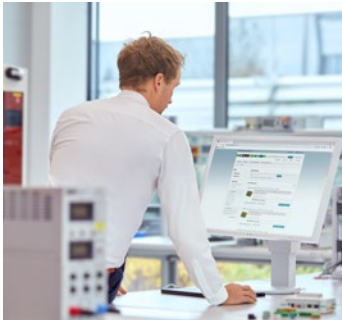
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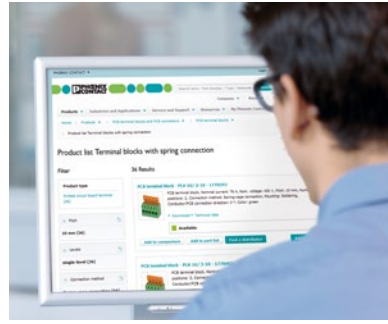
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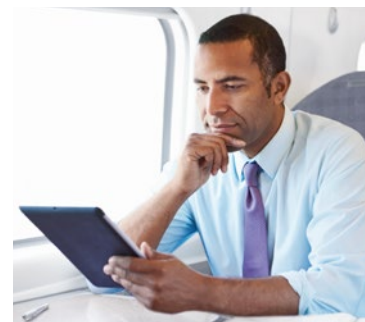
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