

# 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](https://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 mm<sup>2</sup>

 **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 mm<sup>2</sup>
- IP67 degree of protection

 **Web code:** #0255

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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.

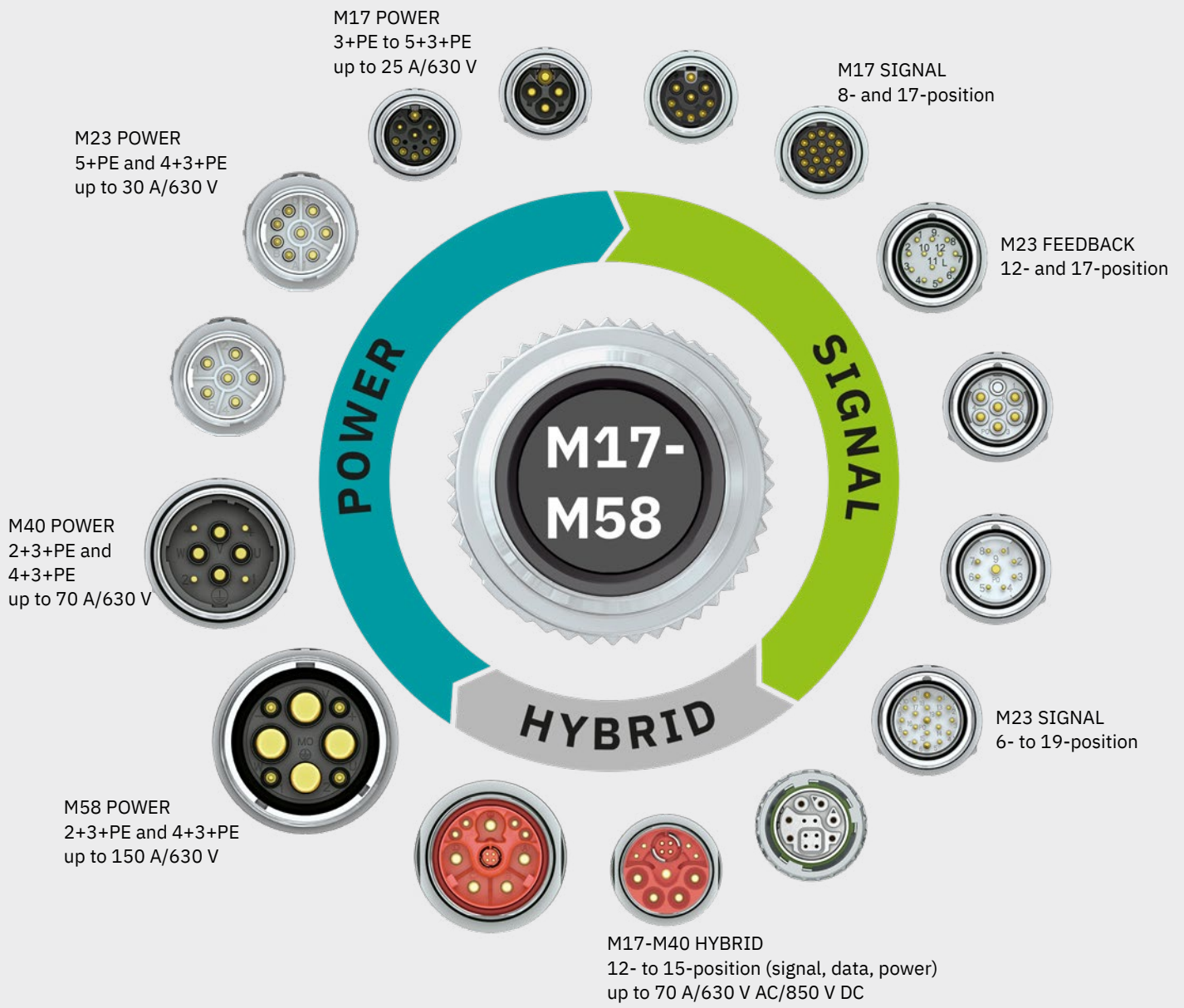
You will find items that comply with the future EU directive and have a maximum lead content of 0.1% on our website via the standard item, using the filter “Lead content (EU-RoHS) – lead-free (Pb < 0.1%)”, or by entering the respective web code in the search field.

 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.

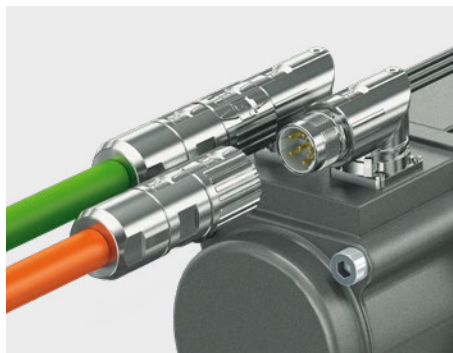


### M17 and M23 PRO cable and coupler connectors

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.

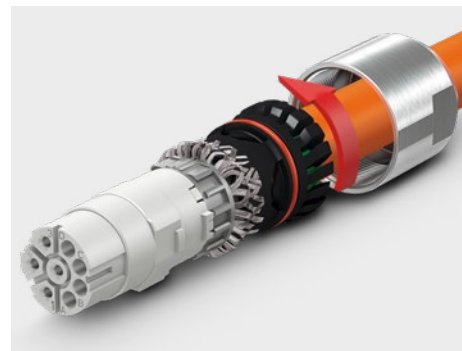
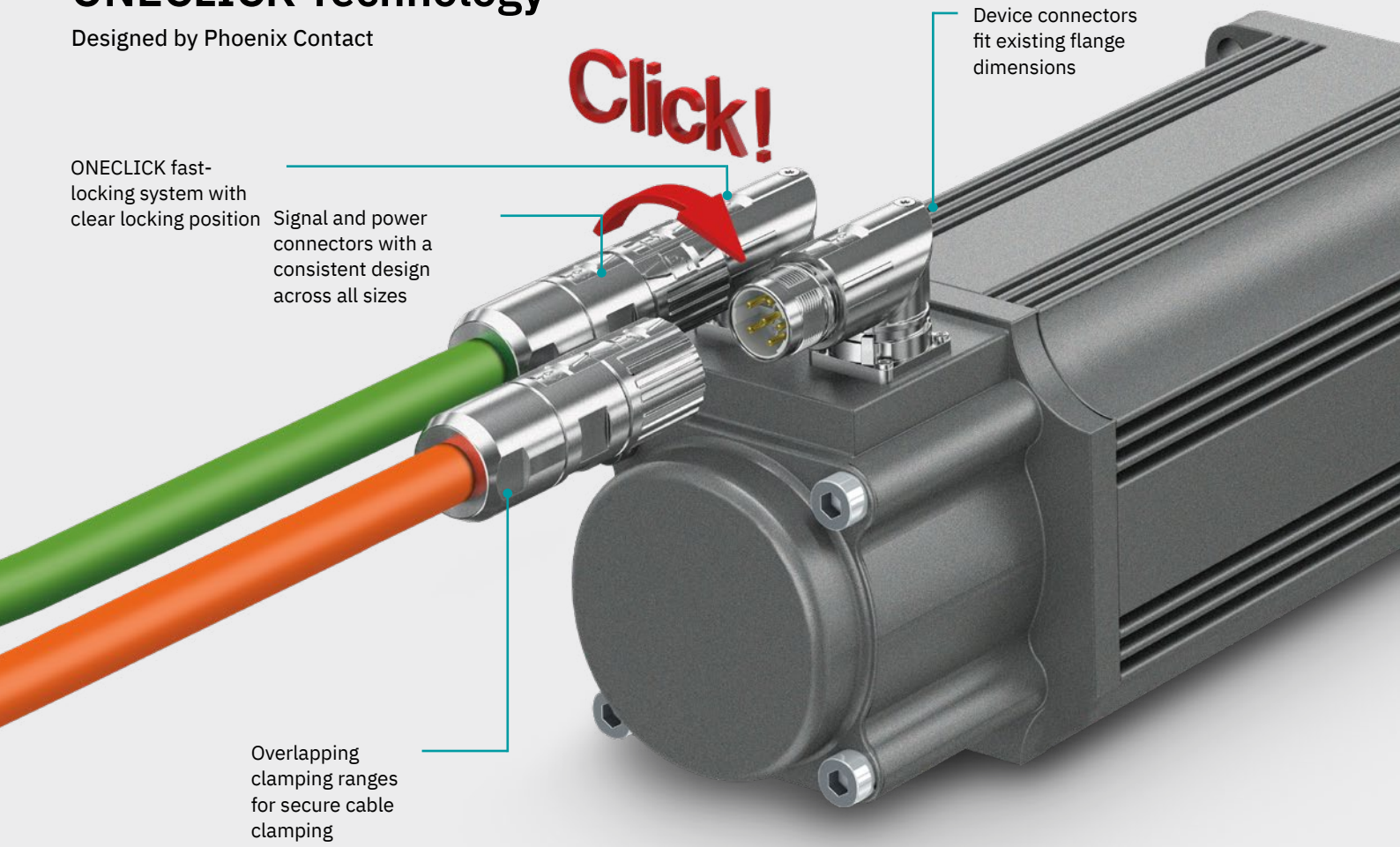


## Secure locking

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.	
<b>Cable connectors, ONECLICK fast-locking system</b>									
	M17 PRO	-	-	12	-	-	-	12	
	M23 PRO	14	14	-	14	14	14	14	
<b>Cable connectors, SPEEDCON fast-locking system</b>									
	M23	-	-	-	-	-	-	-	
	M40	-	-	-	-	-	-	-	
<b>Cable connectors, standard locking</b>									
	M17	-	-	12	-	-	-	12	
	M23	14	14	-	14	14	14	14	
	M23 angled	14	14	-	14	14	14	14	
	M40	-	-	-	-	-	-	-	
	M58	-	-	-	-	-	-	-	
<b>Coupler connector</b>									
	M17	-	-	12	-	-	-	12	
	M23	14	14	-	14	14	14	14	
	M40	-	-	-	-	-	-	-	
	M58	-	-	-	-	-	-	-	
<b>Device connectors</b>									
	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	-	-	-	-	-	-	-	
<b>Plastic-molded cables</b>									
	M17	-	-	-	-	-	-	36	
	M23	-	-	-	-	36	-		
	M23 angled	-	-	-	-	36	-	36	

 SIGNAL

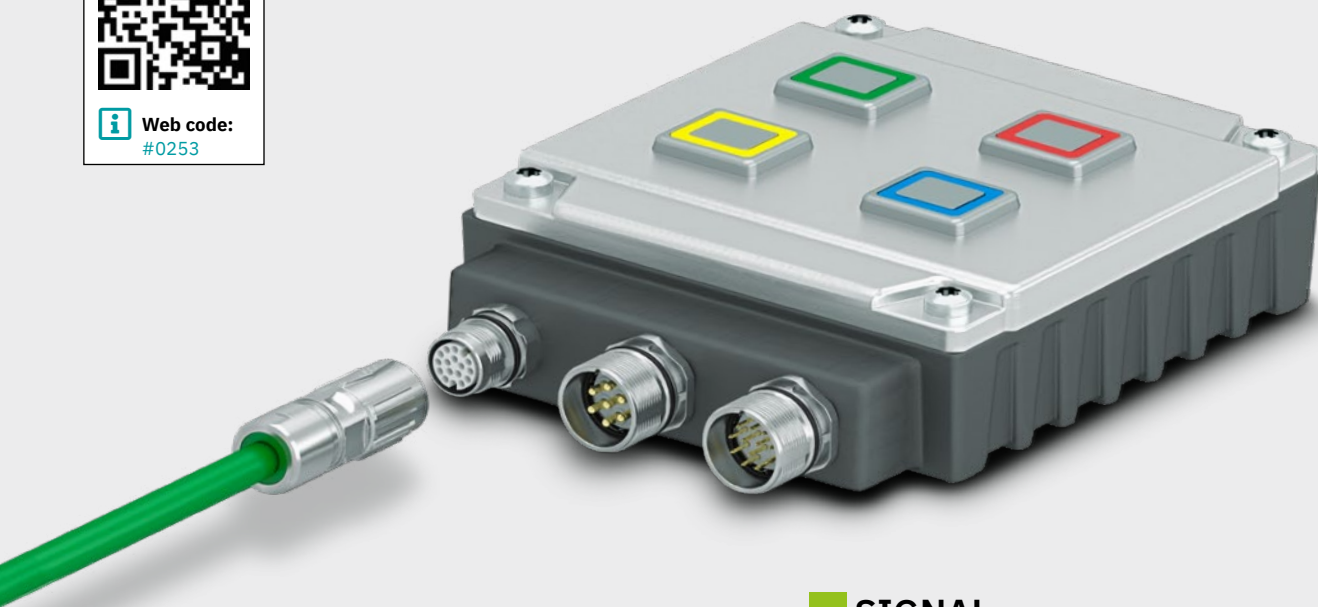
 HYBRID

 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	-
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-	21	-	-	30	30	-	30	30	-	30
16	-	23	25	-	33	-	-	-	33	33
16	-	23	25	-	33	-	-	-	33	33
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-	-	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.

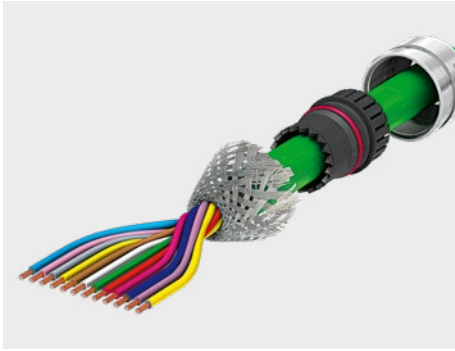


## SIGNAL

### 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.



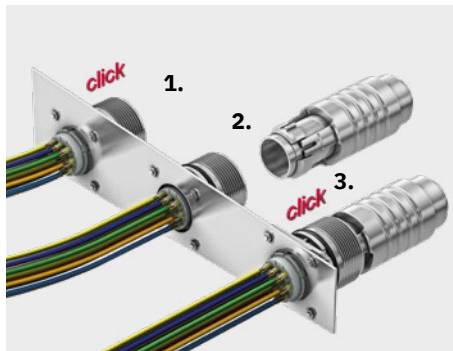
### Secure locking

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



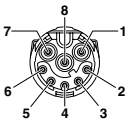
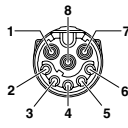

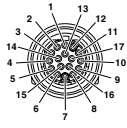



1. Insert M23 contact carrier from the connection side and snap into place
2. Attach removal tool on the plug side
3. Release contact carrier



### Flexible assembly

All housings can be fitted with male or female contacts.

# SIGNAL



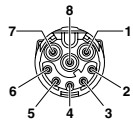
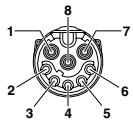

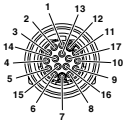



M17		8-pos.		17-pos.			
 Web code: #4289   RoHS Pb < 0,1%	Connection method	Crimp		Crimp			
	Rated voltage [V AC/DC]	60		60			
	Rated current <sup>1)</sup> [A]	8		3.6			
	Number of contacts / diameter [mm]	8x 1.0		17x 0.6			
	Litz wire cross-sections [mm <sup>2</sup> ]	0.06 ... 1.0		0.06 ... 0.5			
	Pin assignment	Male	Female	Male	Female		
							
<b>Cable connectors, ONECLICK fast-locking system</b>							
	Cable clamping range [mm]	3.5 ... 6.5	<a href="#">1629016</a>	<a href="#">1629013</a>	<a href="#">1629010</a>	<a href="#">1629007</a>	
		5.5 ... 9.5	<a href="#">1629015</a>	<a href="#">1629012</a>	<a href="#">1629009</a>	<a href="#">1629006</a>	
		8.5 ... 12	<a href="#">1629014</a>	<a href="#">1629011</a>	<a href="#">1629008</a>	<a href="#">1629005</a>	
<b>Cable connectors, standard locking</b>							
	Cable clamping range [mm]	3.5 ... 6.5	<a href="#">1629058</a>	<a href="#">1629055</a>	<a href="#">1629052</a>	<a href="#">1629049</a>	
		5.5 ... 9.5	<a href="#">1629057</a>	<a href="#">1629054</a>	<a href="#">1629051</a>	<a href="#">1629048</a>	
		8.5 ... 12	<a href="#">1629056</a>	<a href="#">1629053</a>	<a href="#">1629050</a>	<a href="#">1629047</a>	
<b>Coupler connector</b>							
	Cable clamping range [mm]	3.5 ... 6.5	<a href="#">1628974</a>	<a href="#">1628971</a>	<a href="#">1628968</a>	<a href="#">1628965</a>	
		5.5 ... 9.5	<a href="#">1628973</a>	<a href="#">1628970</a>	<a href="#">1628967</a>	<a href="#">1628964</a>	
		8.5 ... 12	<a href="#">1628972</a>	<a href="#">1628969</a>	<a href="#">1628966</a>	<a href="#">1628963</a>	

<sup>1)</sup> 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.




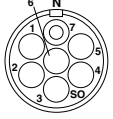
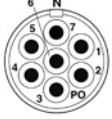
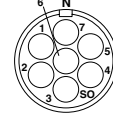
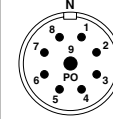
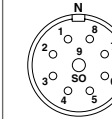
# SIGNAL

M17		8-pos.	17-pos.		
 Web code: #4289   RoHS Pb < 0,1%	Connection method	Crimp		Crimp	
	Rated voltage [V AC/DC]	60		60	
	Rated current <sup>1)</sup> [A]	8		3.6	
	Number of contacts / diameter [mm]	8x 1.0		17x 0.6	
	Litz wire cross-sections [mm <sup>2</sup> ]	0.06 ... 1.0		0.06 ... 0.5	
	Pin assignment	Male	Female	Male	Female
					
<b>Device connectors, front mounting</b>					
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.2 mm	1628932	1628931	1628928	1628927
	<b>Flange dimensions: 28 mm x 28 mm</b> Mounting holes: 4 x Ø 3.2 mm	1628930	1628929	1628926	1628925
<b>Device connectors, angled, rotatable, front mounting</b>					
	<b>Flange dimensions 21.6 x 21.6 mm</b> Mounting holes 4 x Ø 2.7 mm	1865089	1865090	1865091	1865095
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.1 mm	1628527	1628526	1628523	1628522
	<b>Flange dimensions: 28 mm x 28 mm</b> Mounting holes: 4 x Ø 3.1 mm	1628525	1628524	1628521	1628520
<b>Device connectors, front mounting, for screw fastening</b>					
	<b>M18 x 0,75 mm fastening thread</b>	1820973	1820976	1820977	1820979




<sup>1)</sup> 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.


# SIGNAL

M23		6-pos.		7-pos.		9(8+1)-pos.	
 Web code: #2068   Pb < 0,1%	Connection method	Crimp, solder		Crimp, solder		Crimp, solder	
	Rated voltage [V AC/DC]	300		300		300	
	Rated current <sup>1)</sup> [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 [mm <sup>2</sup> ]	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] <b>Solder connection</b>	3 ... 15	1341720	1341726	1341731	1341737	1342194	1342198
		4 ... 8.5	1341715	1341722	1341727	1341733	1342191	1342195
	ONECLICK Technology  <small>Designed by Phoenix Contact</small>	6 ... 10	1341718	1341723	1341728	1341734	1342192	1342196
		9 ... 15	1341719	1341724	1341729	1341735	1342193	1342197
		Cable clamping range [mm] <b>Crimp connection</b>	3 ... 15	1629188	1629184	1629176	1629180	1629168
	ONECLICK Technology  <small>Designed by Phoenix Contact</small>	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] <b>Solder connection</b>	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] <b>Crimp connection</b>	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] <b>Solder connection</b>	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] <b>Crimp connection</b>	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] <b>Solder connection</b>	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] <b>Crimp connection</b>	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

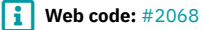

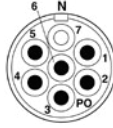
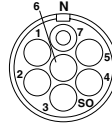
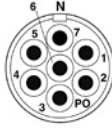
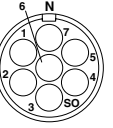
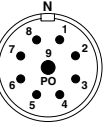
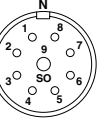




<sup>1)</sup> Rated current for maximum connection cross-section.

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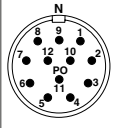
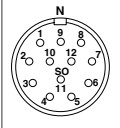
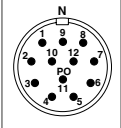
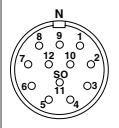
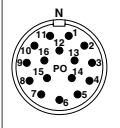
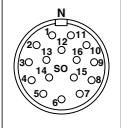
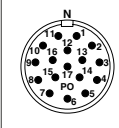
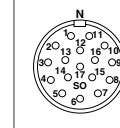
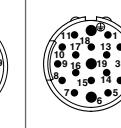
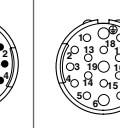
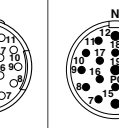
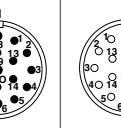
12-pos.		12-pos. reverse		16-pos.		17-pos.		19(16+2+PE)- pos.		19(16+3)- pos.	
Crimp, solder		Crimp, solder		Crimp, solder		Crimp, solder		Crimp		Crimp, solder	
150		150		125		125		150		150	
8		8		8		8		8 / 10		8 / 10	
12 x 1.0		12 x 1.0		16 x 1.0		17 x 1.0		16 x 1,0 / 3 x 1,5		16 x 1,0 / 3 x 1,5	
0.08 ... 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	1679684	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

# SIGNAL

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

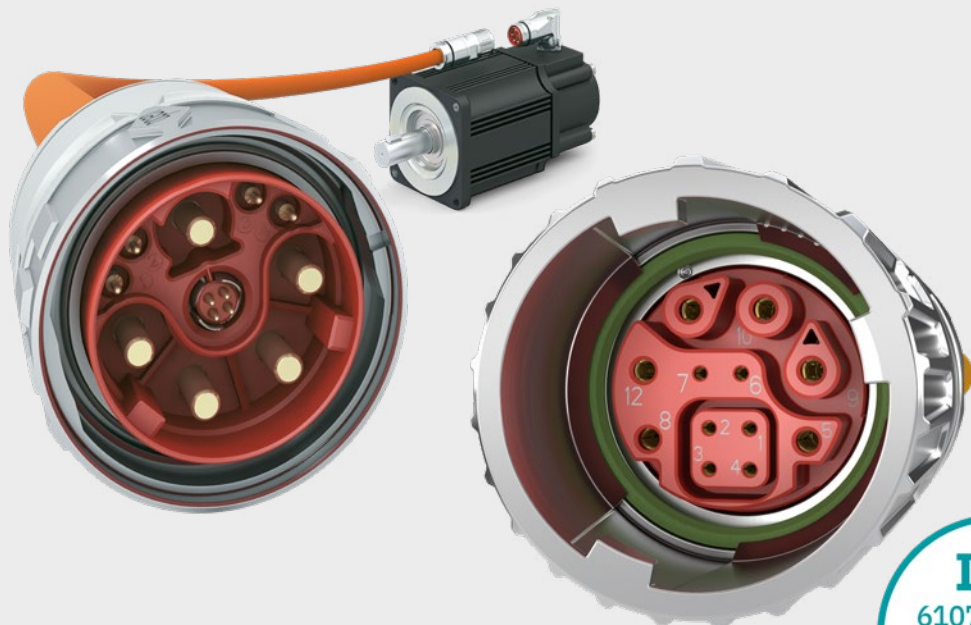
<sup>1)</sup> Rated current for maximum connection cross-section.

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 mm<sup>2</sup>

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

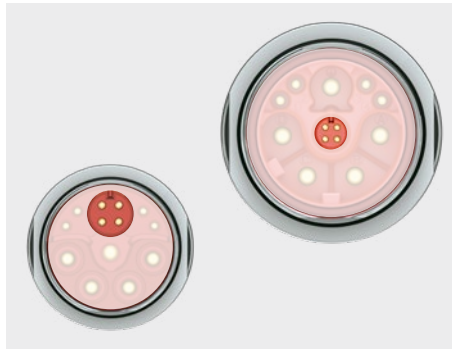


## Your advantages at a glance



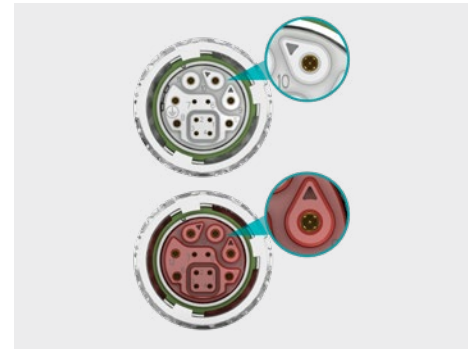
### Reliable data transmission

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



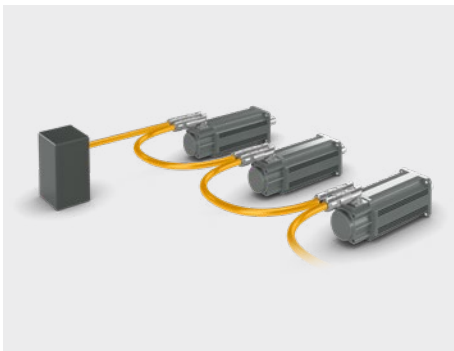
### Additional flexibility

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



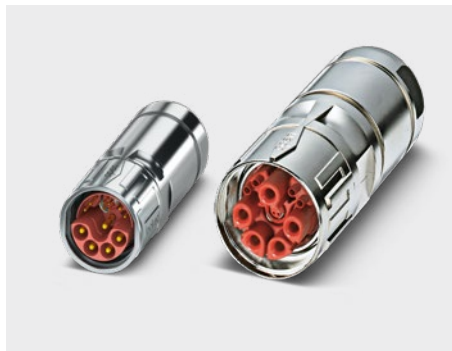
### Secure connection

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



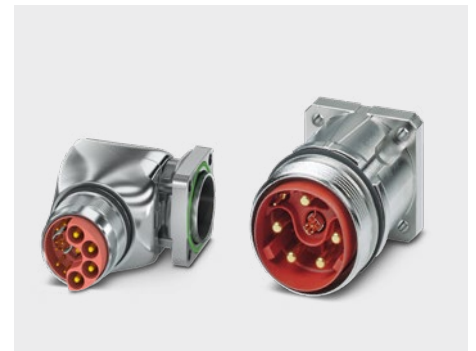
### Reduced cabling effort

Daisy chain application with hybrid connectors for distributed drive concepts.





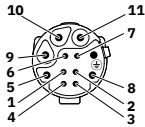
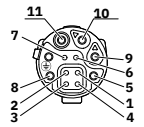
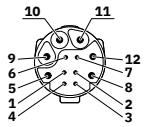
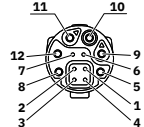



### Variable fitting



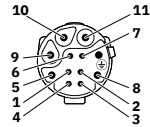
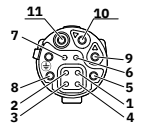
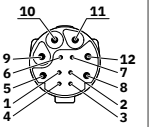
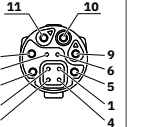


All housings can be fitted with male or female contacts.






### 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   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 <sup>1)</sup> [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 [mm <sup>2</sup> ]	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		
							
<b>Cable connectors, ONECLICK fast-locking system</b>							
	Cable clamping range [mm]	8.5 ... 12	1550175	1549165	1550182	1550178	
<b>ONECLICK Technology</b> <sup>1)</sup> Designed by Phoenix Contact							
<b>Coupler connector</b>							
	Cable clamping range [mm]	8.5 ... 12	1550185	1550184	1550188	1550186	
<b>Hybrid cables (accessories)</b>							
	Cable length [m]	1	1681099				
		10	1681103				

M17		(4+4+3+PE)-pos.	(4+4+4)-pos.		
 <b>Web code: #3904</b>   <b>Pb &lt; 0,1%</b>	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 <sup>1)</sup> [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 [mm <sup>2</sup> ]	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
					
<b>Device connectors, straight, front mounting</b>					
	<b>Flange dimensions 21.6 mm x 21.6 mm</b> Mounting holes: 4 x Ø 2.7 mm	1552209	1552210	1552215	1552213
<b>Device connectors, angled, rotatable, front mounting</b>					
	<b>Flange dimensions 21.6 mm x 21.6 mm</b> Mounting holes: 4 x Ø 2.7 mm	1549166	1550191	1550194	1550192
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.1 mm	1550190	1550189	1550197	1550196

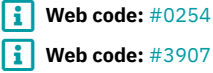

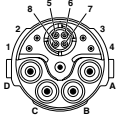
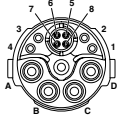
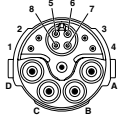
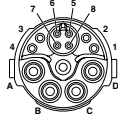






M23		13(4+4+4+PE)-pos.		13(8+4+PE)-pos.		
 	Signal type	Data, shielded		Signal, unshielded		
	Connection method	Crimp		Crimp		
	Rated voltage [V AC/DC]	50 / 50 / 630/850		50 / 630/850		
	Rated current <sup>1)</sup> [A]	3.6 / 8 / 30		8 / 30		
	Number of contacts / diameter [mm]	4 x 0.8 / 4 x 1 / 5 x 2		8 x 1 / 5 x 2		
	Litz wire cross-sections [mm <sup>2</sup> ]	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	
						
<b>Cable connectors, SPEEDCON fast-locking system</b>						
 	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
<b>Cable connectors, standard locking</b>						
	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
<b>Coupler connector</b>						
	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
<b>Hybrid cables (accessories)</b>						
	Cable length [m]	1	1623127			
		20	1622080			
		100	1623039			

<sup>1)</sup> 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.


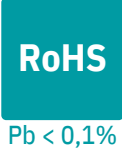
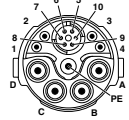
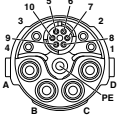
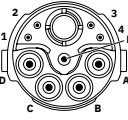
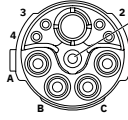



# HYBRID

M23		13(4+4+4+PE)-pos.	13(8+4+PE)-pos.		
 <p>Web code: #0254 Web code: #3907</p>  <p>Pb &lt; 0,1%</p>	Signal type	Data, shielded		Signal, unshielded	
	Connection method	Crimp		Crimp	
	Rated voltage [V AC/DC]	50 / 50 / 630/850		50 / 630/850	
	Rated current <sup>1)</sup> [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 [mm <sup>2</sup> ]	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
					
<b>Device connectors, front mounting</b>					
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.2 mm	1621569	1621567	1621570	1621568
<b>Device connectors, with knurled nut, SPEEDCON fast-locking system, front mounting</b>					
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.2 mm	1096285	1096284	1096286	1096282
<b>Device connectors, angled, rotatable, front mounting</b>					
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.2 mm	1621565	1621563	1621566	1621564
	<b>Flange dimensions: 28 mm x 28 mm</b> Mounting holes: 4 x Ø 3.2 mm	1621561	1621559	1621562	1621560
<b>Device connectors, rear mounting</b>					
	<b>Central fastening M26 x 1</b>	1627205	1624344	1627206	1627204
<b>Device connectors, solder connection, rear mounting, for wave soldering processes (only male versions available)</b>					
	<b>with screw locking mechanism</b>	1840871 11(4+2+4+PE)-pos.	1554151 13(4+4+4+PE)-pos.		
	<b>without screw locking mechanism</b>	-	1555734 13(4+4+4+PE)-pos.		
<b>Single parts</b>					
	<b>Contact carrier, fully equipped</b>	1524754 4+4+4+PE			
	<b>Contact carrier, partially equipped</b>	1835953 4+2+4+PE			
	<b>Housing</b>	1555725			
	<b>Flat gasket</b>	1692442			
	<b>Locknut (with screw locking mechanism)</b>	1555723			
	<b>Locknut (without screw locking mechanism)</b>	1821856			
<b>Extender</b>	1555726				

<sup>1)</sup> 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.

# HYBRID



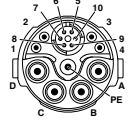
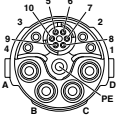
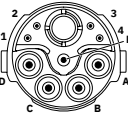
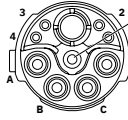





M23		15(6+4+4+PE)-pos.	9(4+4+PE)-pos.			
 	Signal type	Data, shielded		–		
	Connection method	Crimp		Crimp		
	Rated voltage [V AC/DC]	50 / 50 / 630/850		50 / 630/850		
	Rated current <sup>1)</sup> [A]	3.6 / 8 / 30		8 / 30		
	Number of contacts / diameter [mm]	6 x 0.6 / 4 x 1 / 5 x 2		4 x 1 / 5 x 2		
	Litz wire cross-sections [mm <sup>2</sup> ]	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	
						
<b>Cable connectors, SPEEDCON fast-locking system</b>						
	Cable clamping range <sup>2)</sup> [mm]	12 ... 15	1157072	1157073	1627107	1105729
						
<b>Coupler connector</b>						
	Cable clamping range <sup>2)</sup> [mm]	12 ... 15	1762781	1762780	1105738	1762769

<sup>1)</sup> Rated current for maximum connection cross-section.

<sup>2)</sup> 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.


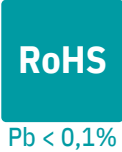
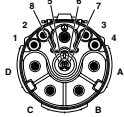
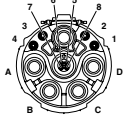
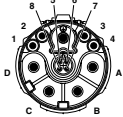
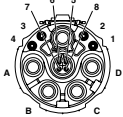






# HYBRID

M23		15(6+4+4+PE)-pos.	9(4+4+PE)-pos.		
 Web code: #0254   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 <sup>1)</sup> [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 [mm <sup>2</sup> ]	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
					
<b>Device connectors, front mounting</b>					
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.2 mm	1568970	1568969	1762773	1762772
<b>Device connectors, with knurled nut, SPEEDCON fast-locking system, front mounting</b>					
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.2 mm 	1568974	1568973	1762779	1762778
<b>Device connectors, angled, rotatable, front mounting</b>					
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.2 mm	1284853	1359727	1099395	1154847
	<b>Flange dimensions: 28 mm x 28 mm</b> Mounting holes: 4 x Ø 3.2 mm	1568968	1568966	1105725	1762771
<b>Device connectors, rear mounting</b>					
	<b>Central fastening M26 x 1</b>	1568972	1568971	1762777	1762775

<sup>1)</sup> 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.



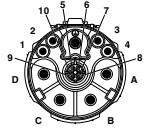
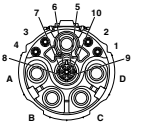
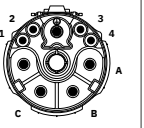
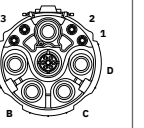




# HYBRID

M40		13(4+4+4+PE)-pos.		13(4+4+4+PE)-pos.		
 	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 <sup>1)</sup> [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 [mm <sup>2</sup> ]	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	
						
<b>Cable connectors, SPEEDCON fast-locking system</b>						
 	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
<b>Coupler connector</b>						
	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
<b>Hybrid cables (accessories)</b>						
	Cable length [m]	1	1627298			
		20	1627299			
<b>Device connectors, front mounting</b>						
	<b>Flange dimensions: 40 mm x 40 mm</b> Mounting holes: 4 x Ø 4.2 mm		1623374	1623371	1623375	1623372
<b>Device connectors, angled, rotatable, front mounting</b>						
	<b>Flange dimensions: 40 mm x 40 mm</b> Mounting holes: 4 x Ø 4.4 mm		1623368	1623365	1623369	1623366

<sup>1)</sup> 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.

# HYBRID

M40		15(6+4+4+PE)-pos.		9(4+4+PE)-pos.		
 Web code: #0560   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 <sup>1)</sup> [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 [mm <sup>2</sup> ]	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	
						
<b>Cable connectors, SPEEDCON fast-locking system</b>						
	Cable clamping range <sup>2)</sup> [mm]	14 ... 20.5	<a href="#">1314971</a>	<a href="#">1314992</a>	<a href="#">1027472</a>	<a href="#">1105744</a>
		20.5 ... 26.5	<a href="#">1314972</a>	<a href="#">1314993</a>	<a href="#">1627076</a>	<a href="#">1105746</a>
<b>Coupler connector</b>						
	Cable clamping range <sup>2)</sup> [mm]	14 ... 20.5	<a href="#">1314974</a>	<a href="#">1314996</a>	<a href="#">1105747</a>	<a href="#">1315500</a>
		20.5 ... 26.5	<a href="#">1314975</a>	<a href="#">1314998</a>	<a href="#">1314975</a>	<a href="#">1315502</a>
<b>Device connectors, front mounting</b>						
	<b>Flange dimensions: 40 mm x 40 mm</b> Mounting holes: 4 x Ø 4.2 mm	<a href="#">1314981</a>	<a href="#">1315000</a>	<a href="#">1762785</a>	<a href="#">1762784</a>	
<b>Device connectors, angled, rotatable, front mounting</b>						
	<b>Flange dimensions: 40 mm x 40 mm</b> Mounting holes: 4 x Ø 4.4 mm	<a href="#">1314978</a>	<a href="#">1314999</a>	<a href="#">1099398</a>	<a href="#">1762782</a>	

<sup>1)</sup> Rated current for maximum connection cross-section.

<sup>2)</sup> 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

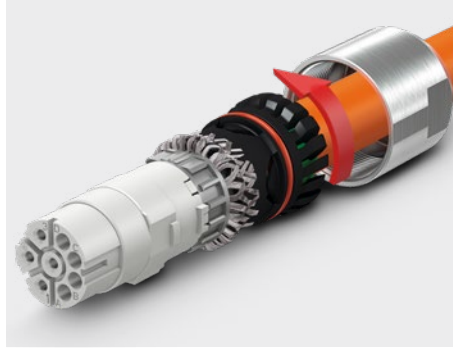
- Sizes M17, M23, M40, and M58
- Connectors with external thread suitable for standard and fast locking
- 3+PE up to 5+3+PE
- Connection cross-sections of up to 50 mm<sup>2</sup>
- IP67 degree of protection

## 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.



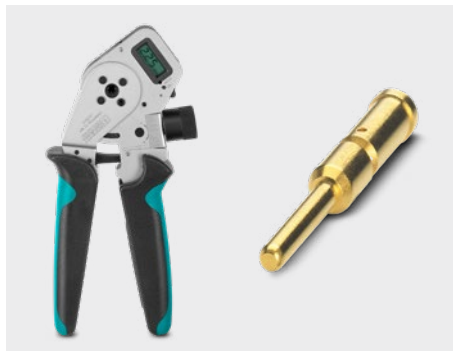
### Flexible connection

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.

# POWER

M17		4(3+PE)-pos.		
 Web code: #4287   RoHS Pb < 0,1%	Connection method		Crimp	
	Rated voltage	[V AC/DC]	630	
	Rated current <sup>1)</sup>	[A]	20	
	Number of contacts / diameter	[mm]	4x 1.5	
	Litz wire cross-sections	[mm <sup>2</sup> ]	0.25 ... 2.5	
	Pin assignment		Male	Female
				
<b>Cable connectors, ONECLICK fast-locking system</b>				
	Cable clamping range [mm]	3.5 ... 6.5	1069487	1069490
		5.5 ... 9.5	1069488	1069491
		8.5 ... 12	1069489	1069492
<b>ONECLICK Technology</b>  <small>Designed by Phoenix Contact</small>				
<b>Cable connectors, standard locking</b>				
	Cable clamping range [mm]	3.5 ... 6.5	1069481	1069484
		5.5 ... 9.5	1069482	1069485
		8.5 ... 12	1069483	1069486
<b>Coupler connector</b>				
	Cable clamping range [mm]	3.5 ... 6.5	1069495	1069498
		5.5 ... 9.5	1069496	1069499
		8.5 ... 12	1069497	1069509
<b>Device connectors, front mounting</b>				
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.2 mm		1069502	1069500
	<b>Flange dimensions: 28 mm x 28 mm</b> Mounting holes: 4 x Ø 3.2 mm		1069503	1069504
<b>Device connectors, angled, rotatable, front mounting</b>				
	<b>Flange dimensions 21.6 x 21.6 mm</b> Mounting hole 4 x 2.7		1681097	1695536
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.1 mm		1069505	1069506
	<b>Flange dimensions: 28 mm x 28 mm</b> Mounting holes: 4 x Ø 3.1 mm		1069507	1069508
<b>Device connectors, front mounting, for screw fastening</b>				
	<b>M18 x 0,75 mm fastening thread</b>		1820982	1820984

<sup>1)</sup> 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





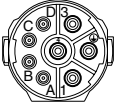

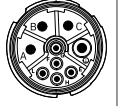




# POWER

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

<sup>1)</sup> 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

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 <sup>1)</sup> [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 [mm <sup>2</sup> ]	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
							
<b>Device connectors, straight, front mounting</b>							
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.2 mm	1628778	1628834	1628777	1628833	1468713	-
	<b>Flange dimensions: 28 mm x 28 mm</b> Mounting holes: 4 x Ø 3.2 mm	1628776	1628832	1628775	1628831	1468714	-
<b>Device connectors, angled, rotatable, front mounting</b>							
	<b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.1 mm	1628487	1628491	1628486	1628490	1468711	-
	<b>Flange dimensions: 28 mm x 28 mm</b> Mounting holes: 4 x Ø 3.1 mm	1628485	1628489	1628484	1628488	1468712	-
<b>Device connectors, with knurled nut, front mounting</b>							
	<b>Straight</b> <b>Flange dimensions: 26 mm x 26 mm</b> Mounting holes: 4 x Ø 3.2 mm	Article on request					

<sup>1)</sup> 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.



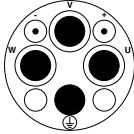
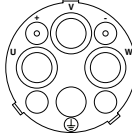
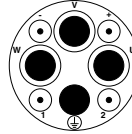
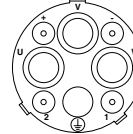



# POWER

M40		6(2+3+PE)-pos.		8(4+3+PE)-pos.		
 Web code: #0270   Pb < 0,1%	Connection method	Crimp		Crimp		
	Rated voltage [V AC/DC]	250 / 630		250 / 630		
	Rated current <sup>1)</sup> [A]	30 / 70		30 / 70		
	Number of contacts / diameter [mm]	2 x 2 / 4 x 3,6		2 x 2 / 4 x 3,,4 x 2 / 4 x 3.6		
	Litz wire cross-sections [mm <sup>2</sup> ]	0.06 ... 4.0 / 0.25 ... 16.0		0.06 ... 4.0 / 0.25 ... 16.0		
	Pin assignment	Male	Female	Male	Female	
						
<b>Cable connectors</b>						
	Cable clamping range [mm] <b>Connection cross-sections of up to 16 mm<sup>2</sup></b>	9 ... 14	-	<a href="#">1613518</a>	-	<a href="#">1613528</a>
		14 ... 20.5	-	<a href="#">1613519</a>	-	<a href="#">1613529</a>
		20.5 ... 26.5	-	<a href="#">1613520</a>	-	<a href="#">1613530</a>
<b>Coupler connector</b>						
	Cable clamping range [mm] <b>Connection cross-sections of up to 16 mm<sup>2</sup></b>	9 ... 14	<a href="#">1613425</a>	-	<a href="#">1613431</a>	-
		14 ... 20.5	<a href="#">1613426</a>	-	<a href="#">1613432</a>	-
		20.5 ... 26.5	<a href="#">1613427</a>	-	<a href="#">1613433</a>	-
<b>Device connectors, front mounting</b>						
	<b>Straight, flange dimensions 40 mm x 40 mm</b> Mounting holes: 4 x Ø 4.2 mm Connection cross-section up to 10 mm <sup>2</sup>	<a href="#">1613517</a>	-	<a href="#">1613527</a>	-	
	<b>Angled, rotatable, flange dimensions 40 mm x 40 mm</b> Mounting holes: 4 x Ø 4.4 mm Connection cross-section up to 10 mm <sup>2</sup>	<a href="#">1620663</a>	-	<a href="#">1620664</a>	-	
<b>Device connectors, with knurled nut, standard locking, front mounting</b>						
	<b>Straight, flange dimensions 40 mm x 40 mm</b> Mounting holes: 4 x Ø 4.2 mm Connection cross-section up to 16 mm <sup>2</sup>	-	<a href="#">1605823</a>	-	<a href="#">1605865</a>	
	<b>Angled, flange dimensions 40 mm x 40 mm</b> Mounting holes: 4 x Ø 4.2 mm Connection cross-section up to 16 mm <sup>2</sup>	-	<a href="#">1607532</a>	-	<a href="#">1607543</a>	

<sup>1)</sup> 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



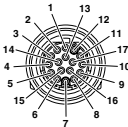
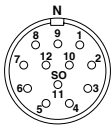





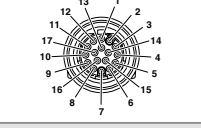

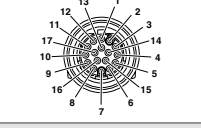

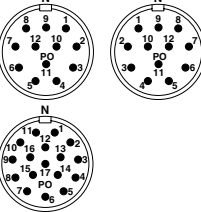
M58		6(2+3+PE)-pos.		8(4+3+PE)-pos.		
 Web code: #0273   Pb < 0,1%	Connection method	Crimp		Crimp		
	Rated voltage [V AC/DC]	250 / 630		250 / 630		
	Rated current <sup>1)</sup> [A]	12 / 150		12 / 150		
	Number of contacts / diameter [mm]	2 x 1.6 / 4 x 10		4 x 1.6 / 4 x 10		
	Litz wire cross-sections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

<sup>1)</sup> 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
 					
					
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	-

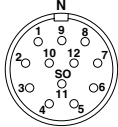
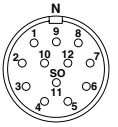
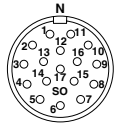





Customer-specific lengths are available on request.

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



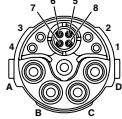
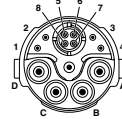
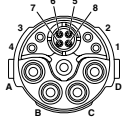
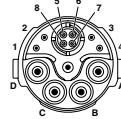






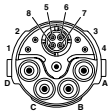

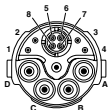

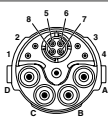
Pin	Wire color	Pin	Wire color
1	PK	7	VT
2	RD	8	GY
3	BK	9	Outer shield
4	BU	10	WH
5	BN	11	n.c.
6	GN	12	BN

### 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	-


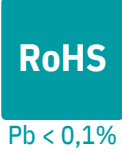







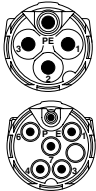

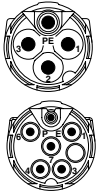
# HYBRID

M23 hybrid connectors, plastic-molded			M23 straight		M23 angled	
			13(4+4+4+PE)-pos. (CAT5, 100 Mbps)			
Cable type			H00		H00	
Cable design	[mm <sup>2</sup> ]	(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	Female	Male
 						
						
Free cable end	Pin assignment	Cable length				
		2 m	<a href="#">1622224</a>	<a href="#">1622227</a>	<a href="#">1622230</a>	<a href="#">1622233</a>
		5 m	<a href="#">1622225</a>	<a href="#">1622227</a>	<a href="#">1622231</a>	<a href="#">1622234</a>
		10 m	<a href="#">1622226</a>	<a href="#">1622229</a>	<a href="#">1622232</a>	<a href="#">1622243</a>
M23 straight, male	13(4+4+4+PE)-pos.					
		2 m	<a href="#">1622244</a>	-	-	-
		5 m	<a href="#">1622245</a>	-	-	-
		10 m	<a href="#">1622246</a>	-	-	-
M23 straight, male	13(4+4+4+PE)-pos.					
		2 m	<a href="#">1622247</a>	-	-	-
		5 m	<a href="#">1622248</a>	-	-	-
		10 m	<a href="#">1622249</a>	-	-	-
M23 angled, male	13(4+4+4+PE)-pos.					
		2 m	-	-	<a href="#">1622250</a>	-
		5 m	-	-	<a href="#">1622251</a>	-
		10 m	-	-	<a href="#">1622252</a>	-

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
			[mm <sup>2</sup> ]				[mm <sup>2</sup> ]
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 [mm <sup>2</sup> ]	4x 1.5	4 x 2.5	4x0.75 + 2x0.5	4x1.0 + 2x0.5		
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		
 						
						
Free cable end	Pin assignment	Cable length				
		2 m	<a href="#">1619298</a>	<a href="#">1619301</a>	<a href="#">1619307</a>	<a href="#">1619310</a>
		5 m	<a href="#">1619299</a>	<a href="#">1619302</a>	<a href="#">1619308</a>	<a href="#">1619311</a>
		10 m	<a href="#">1619300</a>	<a href="#">1619303</a>	<a href="#">1619309</a>	<a href="#">1619312</a>
M17 straight, male	4- / 6-pos.					
		2 m	<a href="#">1619304</a>	<a href="#">1619326</a>	<a href="#">1619316</a>	<a href="#">1619319</a>
		5 m	<a href="#">1619305</a>	<a href="#">1619327</a>	<a href="#">1619317</a>	<a href="#">1619321</a>
		10 m	<a href="#">1619306</a>	<a href="#">1619328</a>	<a href="#">1619318</a>	<a href="#">1619322</a>

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

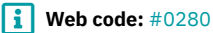

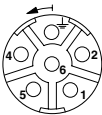
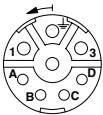




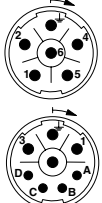
### Assignment: cable type C00, servo, 5+PE

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

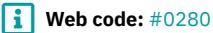

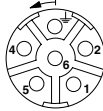
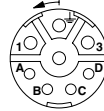



M23 power connectors, plastic-molded		M23 straight		M23 straight		
		6(5+PE)-pos.		8(4+3+PE)-pos.		
Cable type		C02	C03	D02	D03	
Cable design	[mm <sup>2</sup> ]	4x1.5 + 2x1.5	4x2.5 + 2x1.5	4x1.5 + 2x2x0.75	4x2.5 + 2x2x1.0	
Cable color		Orange	Orange	Orange	Orange	
Rated voltage	[V AC/DC]	630	630	630 / 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		
   Pb < 0,1%						
						
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	GNYE	●	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	GNYE	●	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	[mm <sup>2</sup> ]	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	
  					
					
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	GNYE ●	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	GNYE ●	PE
A	BK 5 ●	Brake
B	BK 6 ●	Brake
C	BK 7 ●	Temp +
D	BK 8 ●	Temp -

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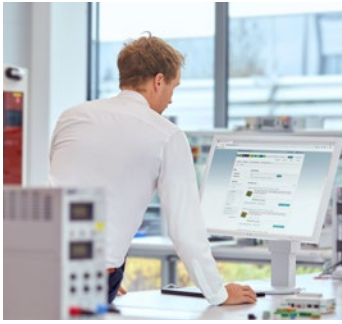
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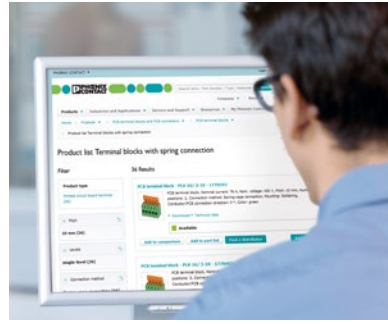
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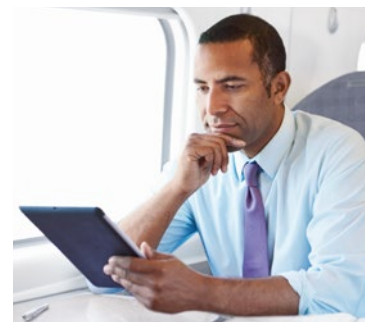
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