



One fits all

Cross-manufacturer compatible connectors
M17 to M40 PRO

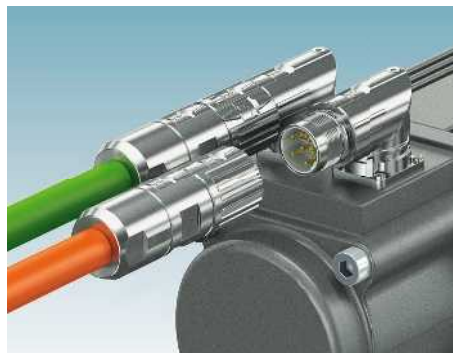
Cross-manufacturer compatible connectors – M17 to M40 PRO

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



ONECLICK Technology[®]

Designed by PHOENIX CONTACT



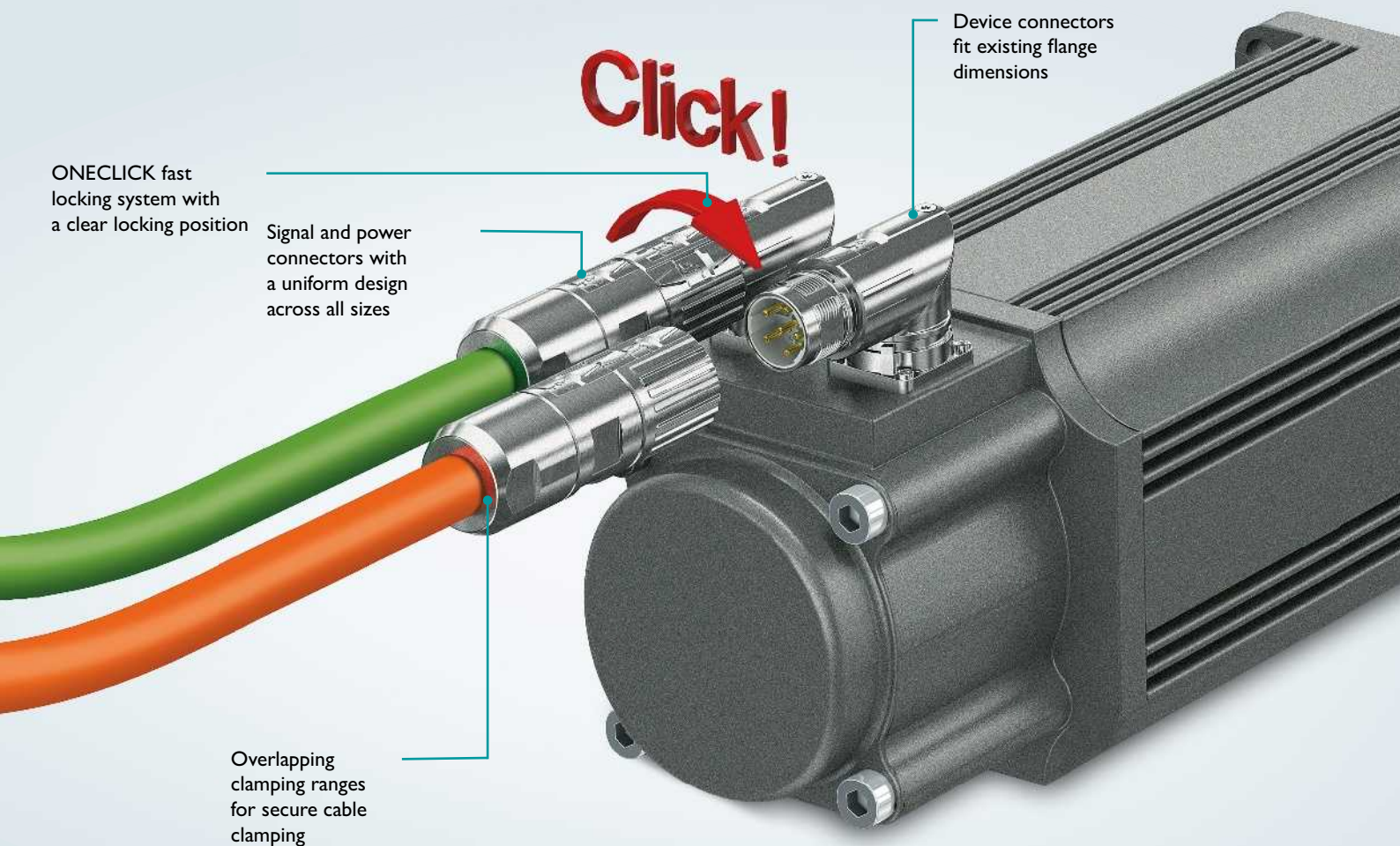
Available worldwide

Solutions with cross-manufacturer compatibility for standard and fast locking systems



Secure locking

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



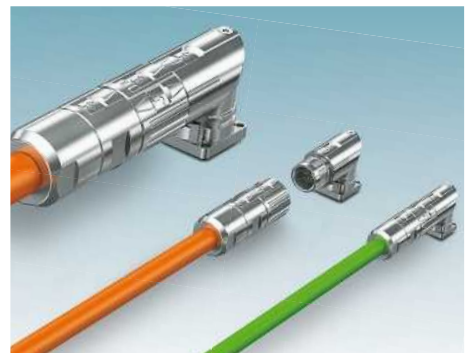
Easy assembly

Easy and reliable shield connection for cost-effective cable assembly



Vibration-resistant connection

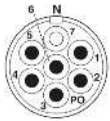
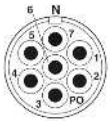
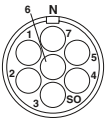
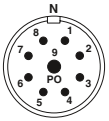
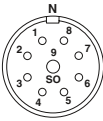
Vibration brake in the cable connector for reliable connection under the harshest conditions



Consistent design

Modern, consistent design for highly convenient operation (M17 and M40 available from the 4th quarter of 2019)

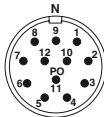
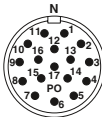
Signal – M23 PRO series

	Crimp connection		6-pos.		7-pos.		9 (8+1)-pos.	
 Web code: #2068	Rated voltage	[V AC/DC]	300		300		300	
	Nominal current	[A]	20		20		8 / 20	
	Number of contacts/diameter	[mm]	6 x 2.0		7 x 2.0		8 x 1.0 / 1 x 2.0	
	Litz wire cross sections	[mm²]	1.0 ... 2.5		1.0 ... 2.5		0.08 ... 1.0 / 1.0 ... 2.5	
	Pin assignment		Pin	Socket	Pin	Socket	Pin	Socket
								
Cable connectors, ONECLICK fast locking system								
	Cable clamping range [mm]	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]	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
Crimp contacts, turned, Ø 1 mm								
	Crimp range [mm²]	0.08 ... 0.22	—	—	—	—	1596770	1596772
		0.14 ... 0.56	—	—	—	—	1597862	1599600
		0.5 ... 1.0	—	—	—	—	1602996	1602998
Crimp contacts, rolled, Ø 1 mm								
	Crimp range [mm²]							
	Single contact	0.22 ... 0.56	—	—	—	—	1603321	1603327
	Roll of 500 pcs.	0.22 ... 0.56	—	—	—	—	1603324	1603330
	Roll of 10,000 pcs.	0.22 ... 0.56	—	—	—	—	1603325	1603332
Crimp contacts, turned, Ø 2 mm								
	Crimp range [mm²]	1.0 ... 1.5	1603513	1603517	1603513	1603517	1603513	1603517
		1.5 ... 2.5	1603505	1603509	1603505	1603509	1603505	1603509
Crimping tools								
	Crimping tools as accessories for contacts can be found at phoenixcontact.com							

The cable clamping ranges specified may vary depending on the cable material/design. Selection and testing is the responsibility of the user. Please order crimp contacts separately.

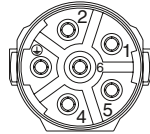
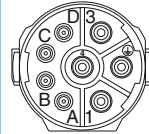
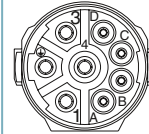
Additional housing designs and pin assignments for the M17 and M23 PRO series for signals will be available from the 4th quarter of 2019.

Signal – M23 PRO series

	Crimp connection		12-pos.		17-pos.	
 Web code: #2068	Rated voltage	[V AC/DC]	150		125	
	Nominal current	[A]	8		8	
	Number of contacts/diameter	[mm]	12 x 1.0		17 x 1.0	
	Litz wire cross sections	[mm²]	0.08 ... 1.0		0.08 ... 1.0	
	Pin assignment		Pin	Socket	Pin	Socket
						
Cable connectors, ONECLICK fast locking system						
	Cable clamping range [mm]	3 ... 15	1629160	1629164	1629152	1629156
		4 ... 8.5	1629163	1629167	1629155	1629159
		6 ... 10	1629162	1629166	1629154	1629158
		9 ... 15	1629161	1629165	1629153	1629157
ONECLICK Technology [®] Designed by PHOENIX CONTACT						
Cable connectors, standard locking						
	Cable clamping range [mm]	3 ... 15	1629208	1629212	1629200	1629204
		4 ... 8.5	1629211	1629215	1629203	1629207
		6 ... 10	1629210	1629214	1629202	1629206
		9 ... 15	1629209	1629213	1629201	1629205
Device connectors, angled, rotatable, front mounting						
	Flange dimensions 26 mm x 26 mm Mounting holes 4 x Ø 3.2 mm		1628498	1628499	1628496	1628497
	Flange dimensions 28 mm x 28 mm Mounting holes 4 x Ø 3.2 mm		1628494	1628495	1628492	1628493
Crimp contacts, turned, Ø 1 mm						
	Crimp range [mm²]	0.08 ... 0.22	1596770	1596772	1596770	1596772
		0.14 ... 0.56	1597862	1599600	1597862	1599600
		0.5 ... 1.0	1602996	1602998	1602996	1602998
Crimp contacts, rolled, Ø 1 mm						
	Crimp range [mm²]					
	Single contact	0.22 ... 0.56	1603321	1603327	1603321	1603327
	Roll of 500 pcs.	0.22 ... 0.56	1603324	1603330	1603324	1603330
	Roll of 10,000 pcs.	0.22 ... 0.56	1603325	1603332	1603325	1603332
Crimping tools						
	Crimping tools as accessories for contacts can be found at phoenixcontact.com					

The cable clamping ranges specified may vary depending on the cable material/design. Selection and testing is the responsibility of the user.
Please order crimp contacts separately.
Additional housing designs and pin assignments for the M17 and M23 PRO series for signals will be available from the 4th quarter of 2019.

Power – M23 PRO series

	Crimp connection	6 (5+PE)-pos.		8 (4+3+PE)-pos.	
 Web code: #2067	Rated voltage [V AC/DC]	630		250 / 630	
	Nominal current [A]	30		9 / 30	
	Number of contacts/diameter [mm]	6 x 2		4 x 1 / 4 x 2	
	Litz wire cross sections [mm²]	0.25 ... 4.0		0.06 ... 1.0 / 0.25 ... 4.0	
	Pin assignment	Pin	Socket	Pin	Socket
					

Cable connectors, ONECLICK fast locking system

	Cable clamping range [mm] Short design, cable Ø 5.5 mm ... 14.5 mm ONECLICK Technology  Designed by PHOENIX CONTACT	5.5 ... 15	1628871	1628815	1628867	1628811
		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] Long design, cable Ø 5.5 mm ... 17 mm ONECLICK Technology  Designed by PHOENIX CONTACT	7.5 ... 17	1628852	1628796	1628847	1628791
		5.5 ... 8	1628856	1628800	1628850	1628795
		7.5 ... 12	1628855	1628799	1628851	1628794
		9.5 ... 14.5	1628854	1628798	1628849	1628793
		14 ... 17	1628853	1628797	1628848	1628792

Cable connectors, standard locking

	Cable clamping range [mm] Short design, cable Ø 5.5 mm ... 14.5 mm	5.5 ... 15	1628879	1628823	1628875	1628819
		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] Long design, cable Ø 5.5 mm ... 17 mm	7.5 ... 17	1628862	1628806	1628857	1628801
		5.5 ... 8	1628866	1628810	1628861	1628805
		7.5 ... 12	1628865	1628809	1628860	1628804
		9.5 ... 14.5	1628864	1628808	1628859	1628803
		14 ... 17	1628863	1628807	1628858	1628802

Device connectors, angled, rotatable, front mounting

	Flange dimensions 26 mm x 26 mm Mounting holes 4 x Ø 3.2 mm	1628487	1628491	1628486	1628490
	Flange dimensions 28 mm x 28 mm Mounting holes 4 x Ø 3.2 mm	1628485	1628489	1628484	1628488

The cable clamping ranges specified may vary depending on the cable material/design. Selection and testing is the responsibility of the user.

Please order crimp contacts separately, see table on the right.

Additional housing designs and pin assignments for the M17, M23, and M40 PRO series for power will be available from the 4th quarter of 2019.

Power – M23 PRO series

		6 (5+PE)-pos.		8 (4+3+PE)-pos.	
		Pin	Socket	Pin	Socket
Crimp contacts, turned, Ø 1 mm					
	Crimp range [mm²]	0.06 ... 0.25	–	–	16182551618239
		0.34 ... 0.5	–	–	16182561618251
		0.25 ... 1.0	–	–	16184581618464
Crimp contacts, turned, Ø 2 mm					
	Crimp range [mm²]	0.25 ... 1.0	1050147	1621576	10501471621576
		1.5 ... 2.5	1050205	1621577	10502051621577
		2.5 ... 4.0	1050210	1621578	10502101621578
Crimping tools					
	Crimping tools as accessories for contacts can be found at phoenixcontact.com				

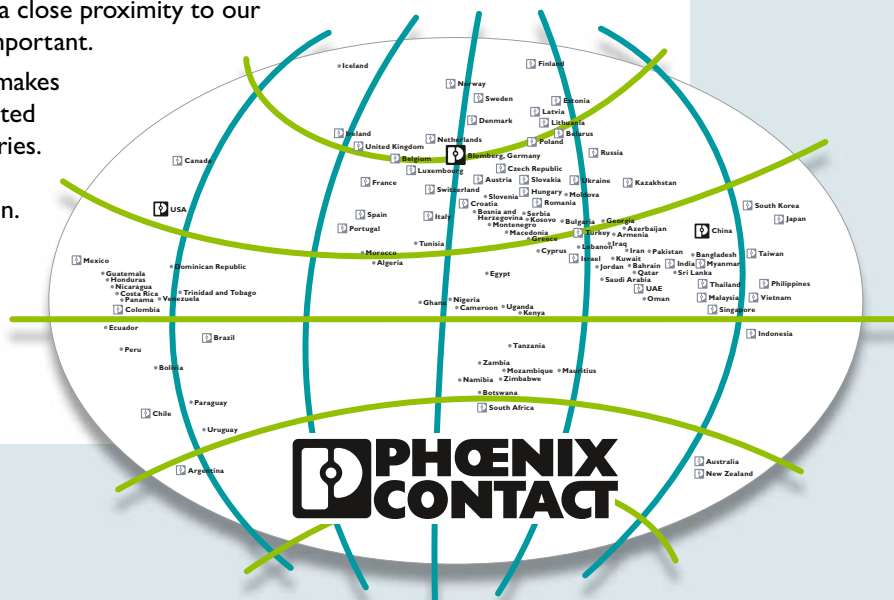
M17 and M40 PRO

Circular connectors for the M17 PRO series for signals and power and the M40 PRO series for power transmission up to 70 A / 630 V are in preparation and will be available from the 4th quarter of 2019.

In dialog with customers and partners worldwide

Phoenix Contact is a globally present, Germany-based market leader. Our group is synonym for future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. A global network across more than 100 countries, and 16,500 employees ensure a close proximity to our customers, which we believe is particularly important.

The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for different applications and industries. We especially focus on the fields of energy, infrastructure, process and factory automation.



You will find our complete product range at:
phoenixcontact.com

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INSPIRING INNOVATIONS

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