



One fit, ONECLICK

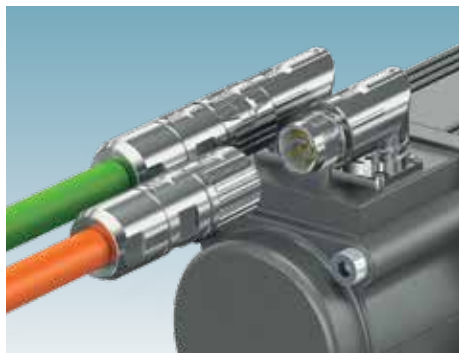
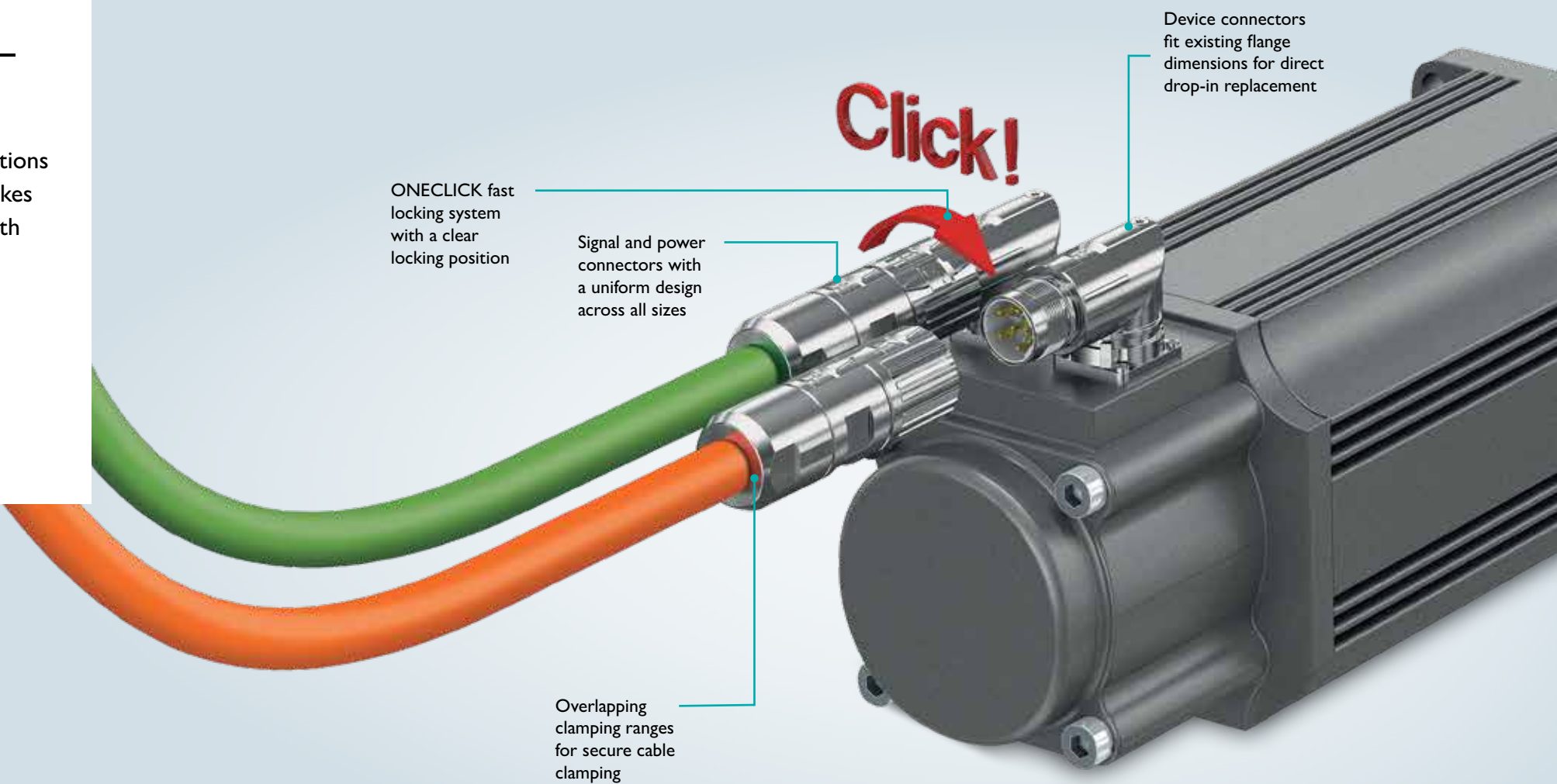
M23 PRO connectors that lock with ONECLICK technology

Cross-manufacturer compatible connectors – M17 to M40 PRO

Signal and power connectors from the M17 to M40 PRO series offer uniform solutions for signal and power transmission. The unique ONECLICK fast locking system makes it possible to connect your device quickly and safely, offering easy compatibility with other brands of metric connectors with fast locking systems.



ONECLICK Technology 
Designed by PHOENIX CONTACT



Available worldwide
The M23 PRO is compatible with threaded and fast locking systems from other suppliers



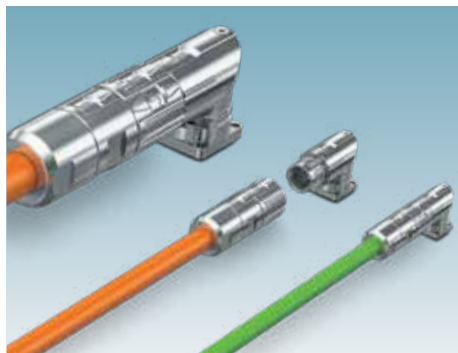
Secure locking
ONECLICK fast locking system provides an optical, tactile, and audible clear locking position



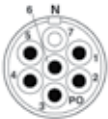
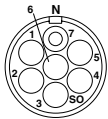
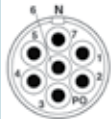
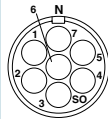
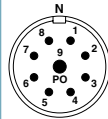
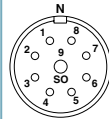
Easy assembly
Easy and reliable shield connection for cost-effective cable assembly



Vibration-resistant connection
Cable connectors are designed to assure optimal locking and performance even in vibration conditions up to 20 g



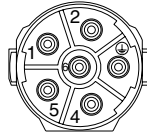
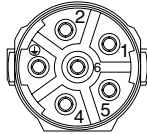
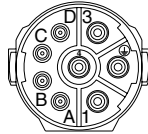
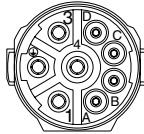
Consistent design
Modern, consistent design for highly convenient operation (M17 and M40 available in 2020)

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
		ONECLICK Technology [®] Designed by PHOENIX CONTACT	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 in 2020.

Signal – M23 PRO series							
		Crimp connection		12-pos.		17-pos.	
i 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 in 2020.

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]	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]	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]	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]	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 in 2020.

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	–	–	1618255	1618239
			0.34 ... 0.5	–	–	1618256	1618251
			0.25 ... 1.0	–	–	1618458	1618464
Crimp contacts, turned, Ø 2 mm							
	Crimp range	[mm²]	0.25 ... 1.0	1050147	1621576	1050147	1621576
			1.5 ... 2.5	1050205	1621577	1050205	1621577
			2.5 ... 4.0	1050210	1621578	1050210	1621578
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 in 2020.

