

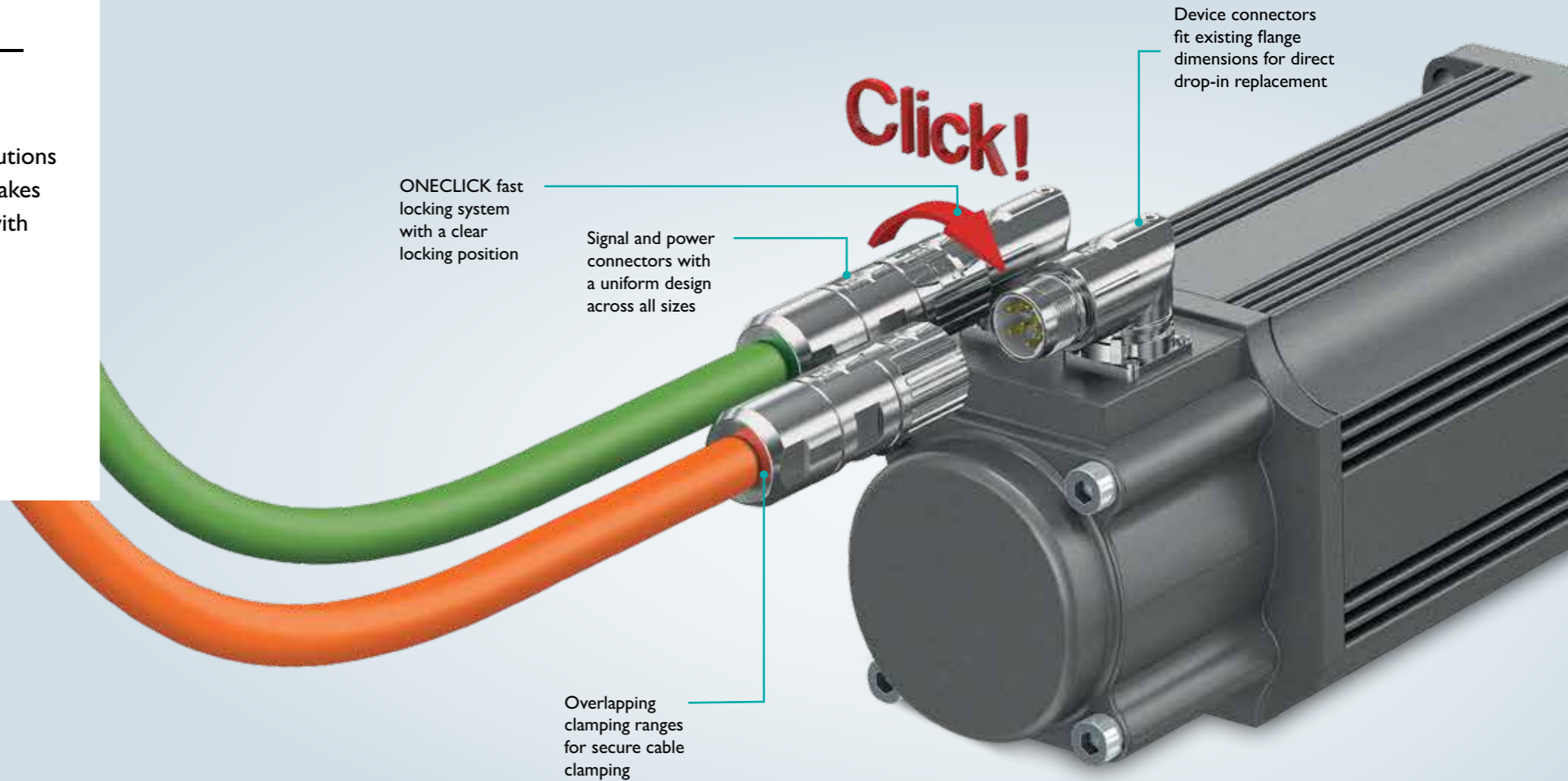


One fit, ONECLICK

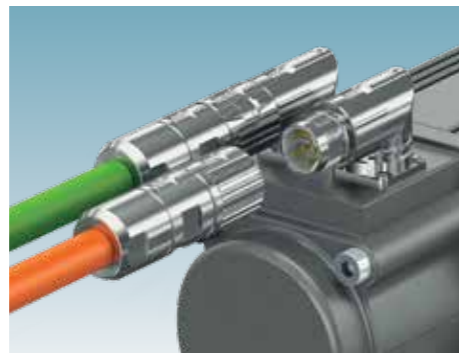
M23 PRO connectors that lock with ONECLICK technology

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



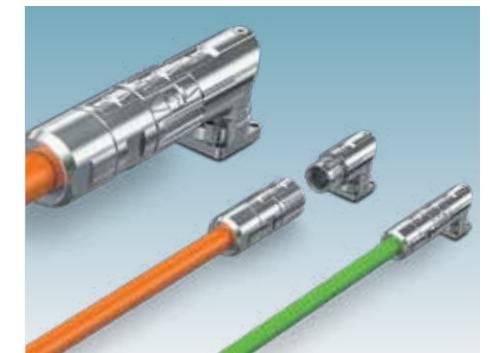
Easy assembly

Easy and reliable shield connection for cost-effective cable assembly




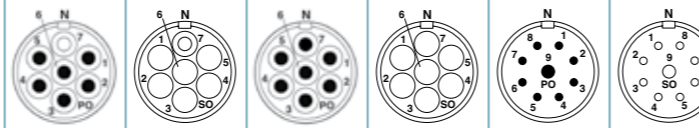






Vibration-resistant connection

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


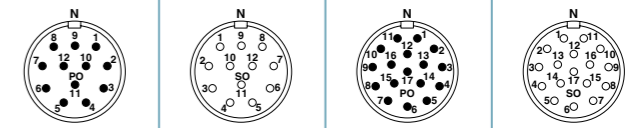








Consistent design

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 [mm ²]	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 [mm ²]	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 [mm ²]										
		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 [mm ²]	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.						
 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 [mm ²]	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				
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 [mm ²]	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 [mm ²]									
		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						
Web code: #2067	Crimp connection	6 (5+PE)-pos.		8 (4+3+PE)-pos.		
		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 [mm ²]	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 <small>Designed by PHOENIX CONTACT</small>	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 <small>Designed by PHOENIX CONTACT</small>	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 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 [mm ²]	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 [mm ²]	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					

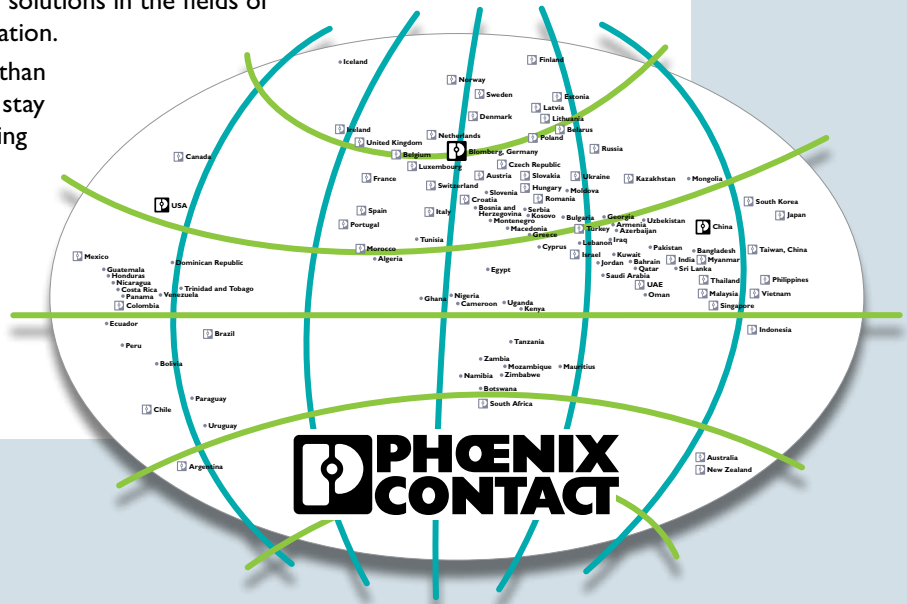
M17 and M40 PRO

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.

Ongoing communication with customers and partners worldwide

Phoenix Contact is a global market leader based in Germany. Our group is known for its future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation.

With a global network reaching across more than 100 countries and 14,500 employees, we can stay in close contact with our customers, something we believe is essential to success. The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for multiple applications and industries. We especially focus on the fields of energy, infrastructure, process, and factory automation.



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

USA

Phoenix Contact USA, Inc.
 P.O. Box 4100
 Harrisburg, PA 17111-0100
 Phone: 800-888-7388
 717-944-1300
 Technical Service: 800-322-3225
 Fax: 717-944-1625
 E-mail: info@phoenixcon.com
 Website: www.phoenixcontact.com

Canada

Phoenix Contact Ltd.
 8240 Parkhill Drive
 Milton, Ontario L9T 5V7
 Toll Free: 800-890-2820
 Phone: 905-864-8700
 Fax: 905-864-7900
 E-mail: cdinfo@phoenixcontact.ca

Mexico

Phoenix Contact S.A. de C.V.
 Rafael Sanzio # 168-A, Tercer Piso
 Colonia Residencial La Estancia
 Zapopan Jalisco
 Phone: +52 55 110111380
 Fax: +52 55 55310194
 E-mail: ventas@phoenixcontact.com.mx