2024



Installation systems

Distribute power quickly and easily

PHOENIX CONTACT

Installation systems for all requirements

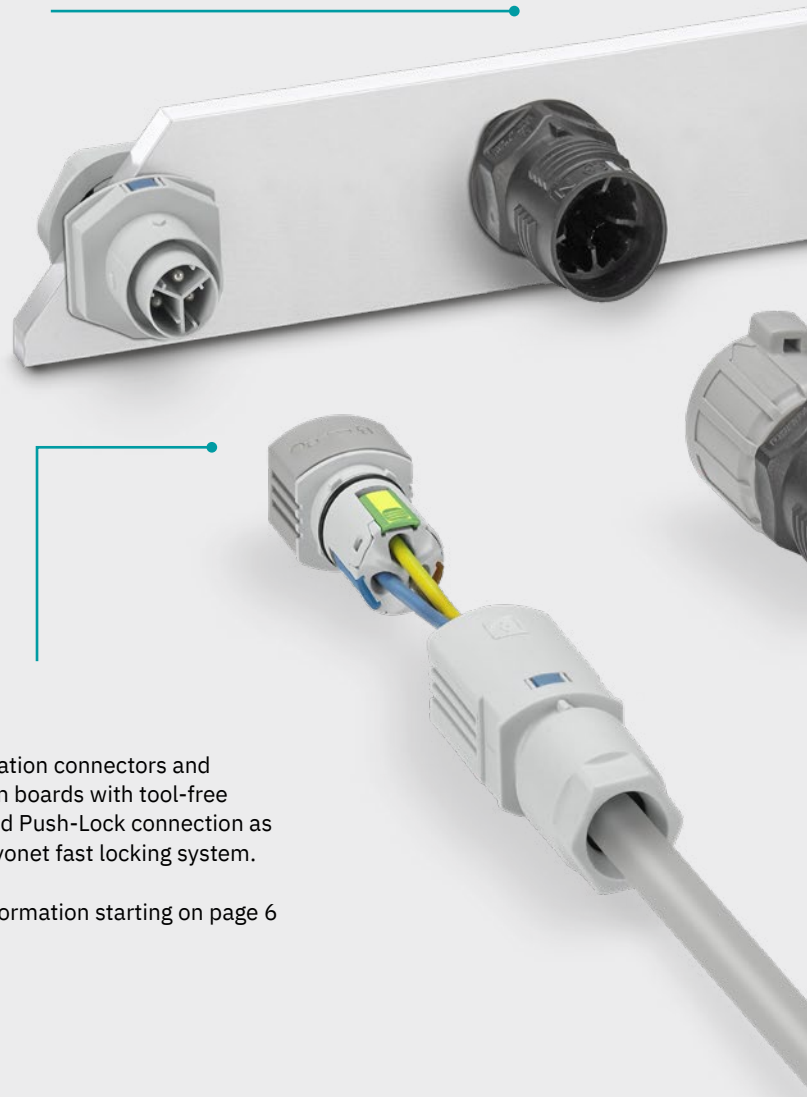
Creating flexible power distribution

Connect cables easily and flexibly with our installation systems. Depending on the application, choose between simple cable connections, convenient power distribution, or compact device connections. Robust housings and high degrees of protection facilitate reliable power transmission outdoors and in wet environments.

QPD

Installation system with fast QUICKON IDC displacement connection. The system consists of connectors and conductor connectors, H and T distributors, and panel feed-throughs.

› More information starting on page 10



IPD

IPD installation connectors and distribution boards with tool-free Push-in and Push-Lock connection as well as bayonet fast locking system.

› More information starting on page 6

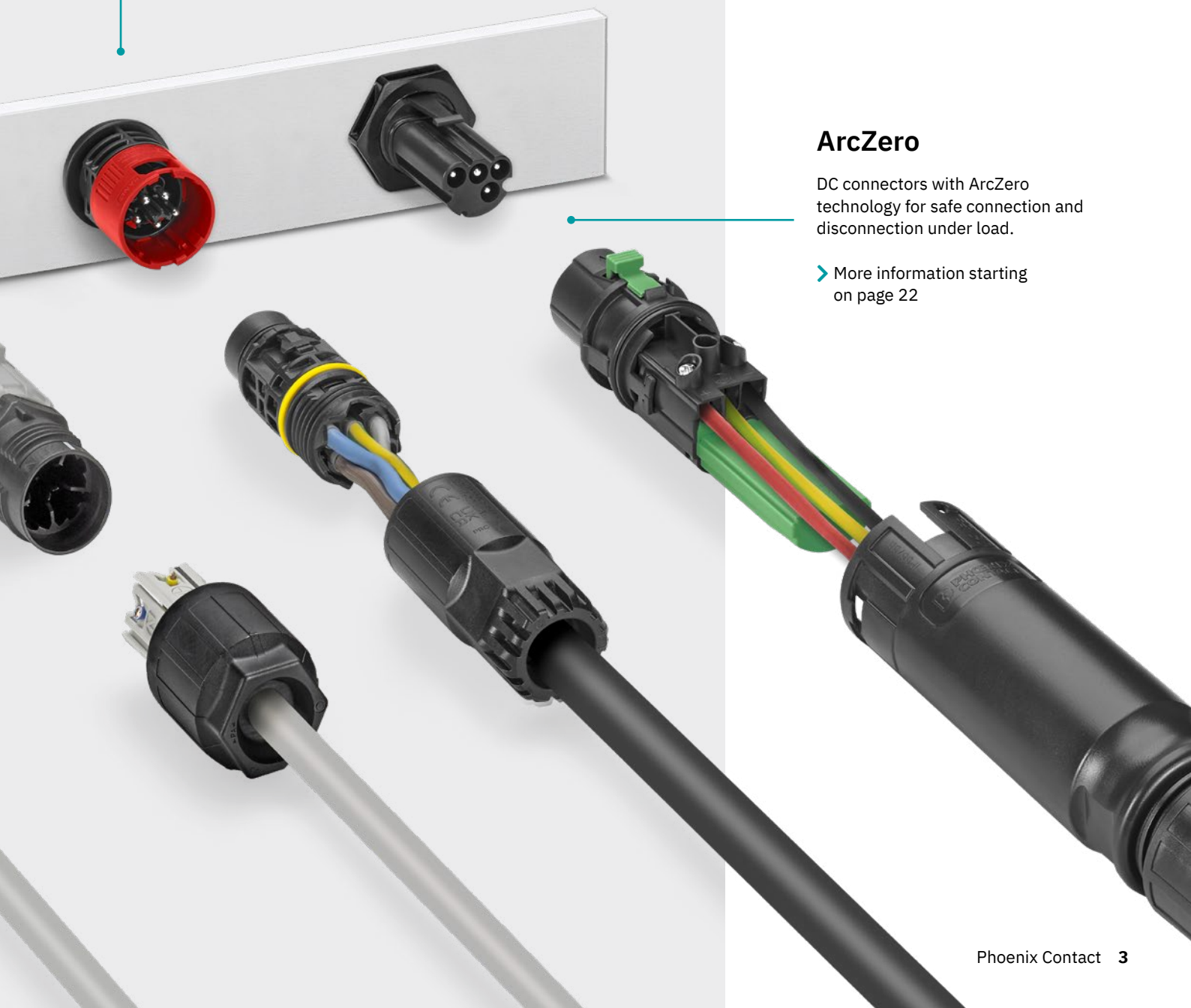
PRC

Installation system with proven screw or crimp connection and snap-in locking. The portfolio includes panel feed-throughs, connectors and conductor connectors, assembled cables, and distributors.

› More information starting on page 16

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DC connectors with ArcZero technology	22



ArcZero

DC connectors with ArcZero technology for safe connection and disconnection under load.

› More information starting on page 22

Installation systems for all applications



Transportation infrastructure

In tunnels, both the lighting and the emergency control system must operate reliably. The versatile connectors and distributors allow you to distribute power over long distances effortlessly. The installation is also particularly robust due to the impact resistance and high degrees of protection. The shock and vibration resistance of the connections also eliminates time-consuming service intervals.



Power generation plants

As an operator, you want to feed the power generated safely and reliably into the AC grid – over many years to come. Our installation systems are the robust solution for wind and weather, ensuring that your plant delivers the best possible yields.



Power supply

Small accumulators are becoming increasingly popular. The three-position versions of our installation systems enable DC transmission and reduce the wiring effort compared to individual wiring. This saves time and enables clearly arranged wiring.



E-mobility

Many distributed charging stations enable a connection of up to 32 A. This is ideal for our installation systems, which along with the current carrying capacity also offer advantages due to their compact size.



Intralogistics

With their robust design and high temperature resistance, panel feed-throughs are also suitable for devices in the field of intralogistics. For example, a motor can be connected conveniently on site without opening the device. The sensitive electronics remain protected from environmental influences even while they are being connected.



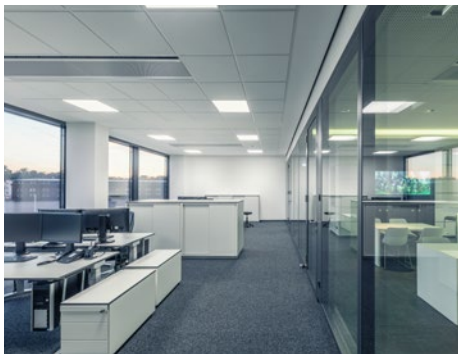
Production

Manufacturing facilities with manual workbenches benefit in particular from our installation systems. The plug-in power distribution and preassembled cable assemblies allow a quick changeover to changing requirements when changing products. This maintains productivity.



Telecommunications

Our installation systems are designed for operating times of up to 25 years outdoors. Due to the durability and robustness of the components, they can be used without any problem in cellular communication applications. Easy and secure connection also enables installation in areas that are difficult to access.



Building infrastructure

Modern, commercial buildings must be multifunctional. It must be possible to convert offices into laboratory or production areas. Thanks to plug-in power distribution, installation with our systems is time-saving. The high number of insertion cycles of the connectors withstands many adjustments.



Marine and offshore

The salt-water resistance of the installation systems, combined with the granted DNV GL approval, enables use in all maritime areas. There is no chance of oxidation with our connectors and distributors.

Comparison of installation systems

	IPD	QPD	PRC	ArcZero
Connection technology	Push-in / Push-Lock connection	IDC displacement connection	Screw connection / crimp connection	Screw connection
Number of positions	3 / 5	3 / 4 / 5	2 ... 7	3
Rated voltage	Up to 690 V			Up to 800 V DC (III / 2)
Rated current	Up to 20 A	Up to 40 A	Up to 35 A	Up to 20 A
Degree of protection	IP66 / IP68 (24 h / 2 m) / IP69K			Up to IP66 / IP68 (2 h / 2 m) / IP69K
Shock resistance	IK07	IK07	IK08 (-25°C)	IK08
Ambient temperature (operation)	-30°C (-40°C) ... +100°C	-40°C ... +100°C	-40°C ... +85°C	-40°C ... +105°C
Type of locking	Bayonet fast-locking system, can be unlocked manually or with tools	Screw locking mechanism, can be unlocked manually or with tools	Snap-in locking, can be unlocked manually or with tools	Snap-in locking, can be unlocked manually or with tools
Insertion cycles	50 or 100 with max. IP66	50	Up to 2000	500 (under load)
Conductor cross-section (rigid and flexible)	0.5 mm^2 ... 2.5 mm^2	0.5 mm^2 ... 6.0 mm^2	1.5 mm^2 ... 6.0 mm^2	2.5 mm^2 ... 6 mm^2
External cable diameter	6 mm ... 16 mm	4 mm ... 20 mm	8 mm ... 21 mm	8 mm ... 21 mm
Approvals	IEC, UL, VDE	IEC, UL, VDE	IEC, UL, 2PfG, DNV GL	IEC

IPD installation system with Push-in connection

Simply plugged in and already securely connected

IPD installation connectors and distribution boards enable reliable and convenient power distribution in any installation situation, no matter how difficult. With Push-in Technology and the fast-locking system, you can install connectors, panel feed-throughs, and distributors conveniently without tools. Due to the high degree of protection, IPD can also be used safely outdoors and in wet areas.



Scan the QR code and watch the video

Your advantages

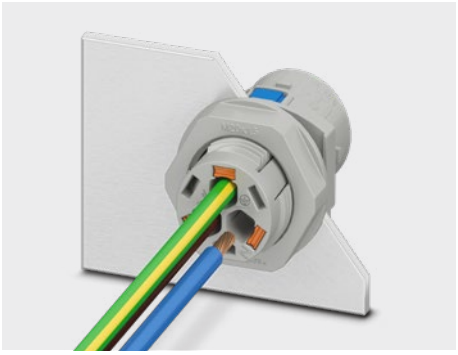
- Simple, time-saving wiring in the field with Push-Lock connection
- Secure, tool-free locking even in particularly difficult installation situations
- Reliable installation in harsh environments with IP66, IP68, and IP69K throughout the entire system
- Fast commissioning with preassembled cable assemblies

Your advantages at a glance



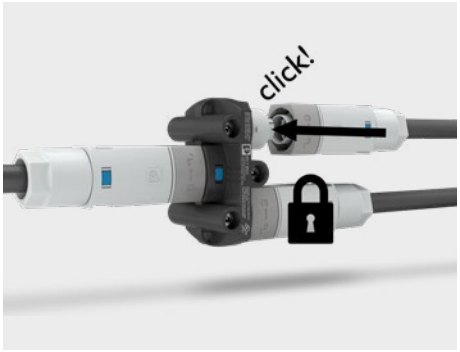
Time-saving wiring

Field-side cabling does not have to be complicated: As a tool-free connection technology, Push-Lock enables time-saving installation through the direct plugging of pretreated and rigid conductors. To connect fine-stranded litz wires and release a connected conductor, simply open the terminal point using the colored lever.



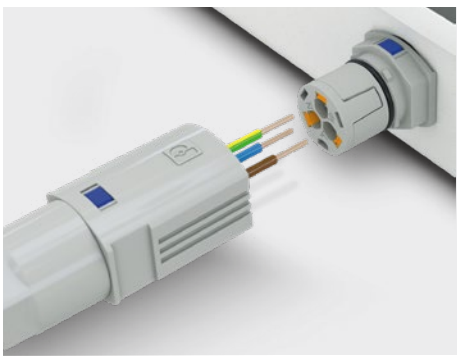
Tool-free device connection

IPD panel feed-throughs with Push-in connection allow tool-free assembly through the direct connection of pretreated and rigid conductors. This means that wiring robots can also connect the components in the device automatically.



Secure locking

Installation can be so easy, especially in difficult installation situations. To enable you to work conveniently, even under adverse conditions, the IPD connectors are equipped with a bayonet fast-locking system. The mating position snaps clearly and securely into place, with mechanical coding to protect against mismatching, and touch protection in accordance with DIN EN 0105.



Easy installation without connectors

Save on field connectors with IPD panel feed-throughs for direct cable connection. The cable is simply fed through the sleeve on the field side and connected directly to the device via Push-in Technology with feather-light plugging. Then simply snap the sleeve into place and establish strain relief via the nut, and you’re done.



Fast commissioning

The preassembled cable assemblies make large cabling projects considerably easier. The PVC connecting cables and control lines suitable for your project are available in four different cable lengths: 0.5 m, 1 m, 3 m, and 5 m, as versions with connector or coupling to free cable end or connector to coupling. Customer-specific lengths can also be produced on request.



Reliable protection

Long-term stable cabling in outdoor and industrial environments: with IP66, IP68, and IP69K throughout the entire system, your installation is protected against water and dust, for particularly reliable installations in harsh environments.

IPD product overview

Panel feed-throughs




Current / voltage	Number of positions	Connection cross-section	Mounting type	With Push-in connection	
				Gray	
				Male	Female
500 V / 20 A	3	0.5 mm² ... 2.5 mm²	M20	1088687	1088689
			M25	1088688	1088690
600 V / 17.5 A	5		M25	1088691	1088692

Installation connectors




Current / voltage	Number of pos.	Connection cross-section	External cable diameter	Connection technology	With snap-in locking	
					Gray	
					Male	Female
500 V / 20 A	3	0.5 mm² ... 2.5 mm²	6 mm ... 9 mm 8 mm ... 13 mm	Push-Lock	1088672	1088674
600 V / 17.5 A	5		7 mm ... 11 mm 6 mm ... 16 mm	Push-Lock	1088676	1088678

Assembled installation cables





Current / voltage	Number of pos.	Conductor cross-section	External cable diameter	Cable length	With free cable end		Cable end with female
					Gray		
					Male	Female	Male
2.5 mm² 500 V / 16 A	3	2.5 mm²	9.6 mm	0.5 m	1526861	1526865	1526872
				1.0 m	1526862	1526866	1526873
				3.0 m	1526863	1526867	1526874
				5.0 m	1526864	1526869	1526875
2.5 mm² 600 V / 16 A	5		11.8 mm	0.5 m	1526876	1526880	1526887
				1.0 m	1526877	1526882	1526889
				3.0 m	1526878	1526885	1526891
				5.0 m	1526879	1526886	1526892

Panel feed-throughs with sleeve

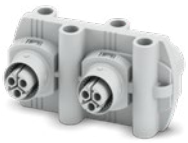



Current / voltage	Number of pos.	Connection cross-section	External cable diameter	Mounting type	With Push-in connection	
					Gray	Black
690 V / 20 A	3	0.5 mm² ... 2.5 mm²	6 mm ... 9 mm 8 mm ... 13 mm	M20	1047319	1047321
				M25	1047322	1047324
	5		7 mm ... 11 mm 6 mm ... 16 mm	M25	1047344	1047345

						
	With Push-in connection		**With 0.5 m litz wires**			
	Black		**Gray**		**Black**	
	Male	**Female**	**Male**	**Female**	**Male**	**Female**
	1088679	1088682	1088700	1088702	1088693	1088695
	1088681	1088684	1088701	1088703	1088694	1088696
	1088685	1088686	1088704	1088705	1088697	1088698

						
	With snap-in locking		**Without snap-in locking**			
	Black		**Gray**		**Black**	
	Male	**Female**	**Male**	**Female**	**Male**	**Female**
	1088664	1088666	1088671	1088673	1088662	1088665
	1088668	1088670	1088675	1088677	1088667	1088669

Distributors

					
Current / voltage	**Number of positions**	**H distributors**		**Y distributors**	
		1 male / 3 female		**1 / 2 female**	
		Gray	**Black**	**Gray**	**Black**
500 V / 20 A	3	1499534	1499528	1499535	1499529
600 V / 17.5 A	5	1499537	1499531	1499539	1499533

				
	With 0.5 m litz wires		**With 1 m litz wires**	
	Gray	**Black**	**Gray**	**Black**
	1047347	1047348	1047350	1047353
	1047354	1047355	1047356	1047359
	1047360	1047363	1047364	1047372

QPD installation system with IDC connection

Save up to 80% of your wiring time

Industrial power distribution does not have to be time-consuming or complicated. The QPD installation system is proof of this. With the proven QUICKON IDC displacement connection, cables up to 5 x 6.0 mm² can be connected quickly and easily, without the need for stripping or screwing. You can choose either fixed or plug-in connections to create flexible distribution solutions.

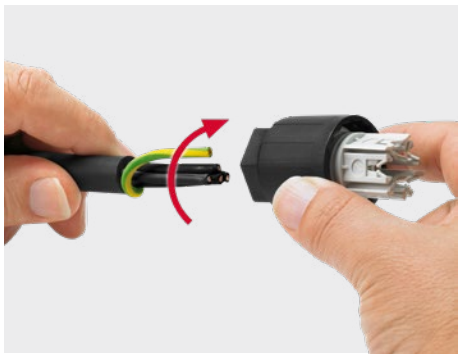


Your advantages

- Time savings of up to 80% for on-site connection
- Quick and easy assembly without stripping and screwing
- Flexible power distribution design with fixed and plug-in versions
- High degree of reliability with robust housings up to IP68/IP69 degree of protection and IK07 shock resistance
- Continuously protected electronics, because devices can remain closed during connection work on site

Scan the QR code and watch the video

Secure connection in just a few steps



Strip the cable and prepare the PE conductor.



Insert the wires into the QUICKON nut and snap into the marked wire guides (1, 2, 3, ...).



Cut the ends of the litz wires flush.



Place the union nut on the contact carrier and tighten it until it stops or use the specified torque for tightening.



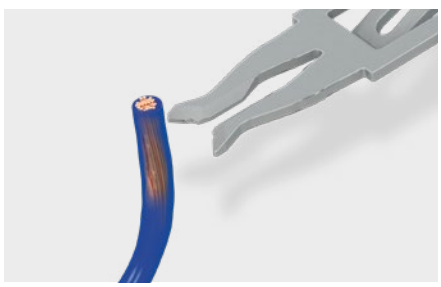
You will feel the connection snap into place when the optimum tightening point is reached. The QUICKON nut is now screwed on so tight that it cannot be unscrewed again by hand.



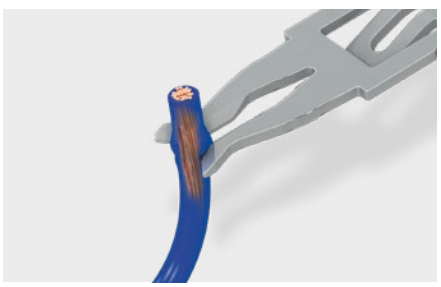
The cable can be connected quickly and easily without using any special tools.

Insulation displacement connection (IDC)

With insulation displacement technology, the cable is connected without stripping. The wire guides center the conductors automatically. When the union nut is tightened, the insulation displacement terminal pierces the cable insulation and establishes a gas-tight electrical contact.



1. Prepare the conductor

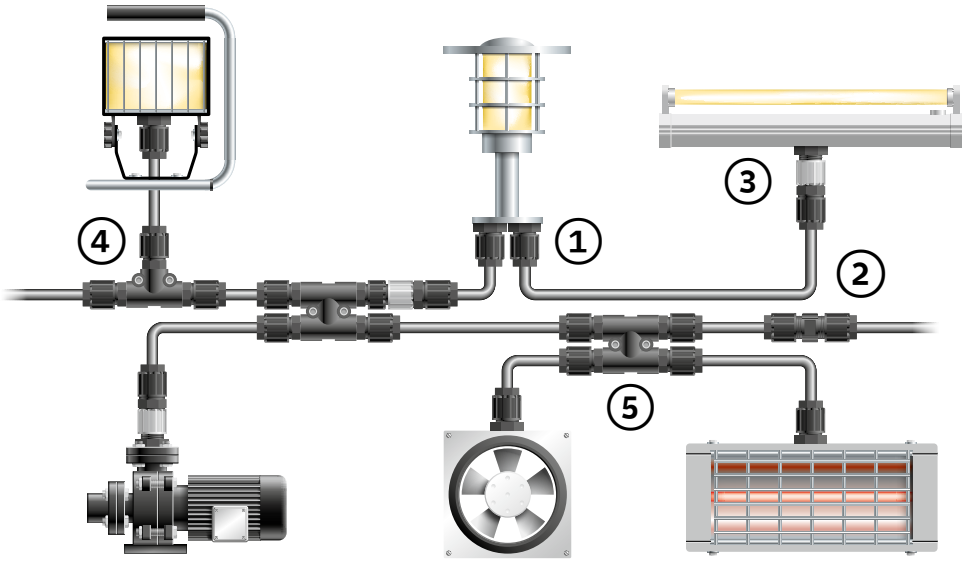


2. The conductor is centered



3. Connection to the conductor is gas-tight

QPD product overview



			Panel feed-throughs							
			① 							
			M20			M25				
Connection data	**Number of positions**	**Cable diameter**	**0.5 m litz wire**	**1.0 m litz wire**	**Spade connection**	**0.5 m litz wire**	**1.0 m litz wire**	**Spade connection**	**Push-in connection**	
0.5 mm² ... 1.5 mm² 690 V / 17.5 A	3	5 ... 9.5 mm	1414684	1414685	1414686					
		10 ... 13 mm	1414687	1414688	1414689					
		Without nut	1414690	1414691	1414692					
	4	5 ... 9.5 mm	1414675	1414676	1414677					
		10 ... 13 mm	1414678	1414679	1414680					
		Without nut	1414681	1414682	1414683					
	5	6 ... 10 mm				1414730	1414731	1414732		
		10 ... 14 mm				1414733	1414734	1414735		
		Without nut				1414736	1414737	1414738		
1.0 mm² ... 2.5 mm² 690 V / 20 A	4	6 ... 10 mm				1423975	1423974	1423976	1423977	
		9 ... 14 mm				1423980	1423979	1423981	1423982	
		Without nut				1423983	1423984	1423986	1423985	
	5	6 ... 11 mm	1403725	1403727	1403729	1582557	1582558	1582559	1411432	
		9 ... 16 mm	1403731	1403733	1403735	1582561	1582562	1582563	1411433	
		Without nut	1403737	1403739	1403741	1582565	1582566	1582567		
2.5 mm² ... 6.0 mm² 690 V / 40 A	5	9 ... 14 mm				1410392	1410393			
		12 ... 20 mm				1410394	1410395			
		Without nut				1410396	1410397			

① Panel feed-throughs

The panel feed-throughs are cable glands that can be connected from the outside. It is no longer necessary to open devices to connect a cable. This ensures that the protection class specified by the manufacturer is maintained.

② Conductor connectors

The conductor connector can be used to lengthen or repair cables. When combined with a connector, it can be used as a flexible coupling connection.

③ Installation connectors

The connector with leading PE contact is ideal for quick device replacement, service situations, and installations with preassembled cables. It is coded to prevent mismatching.

④ T distributors

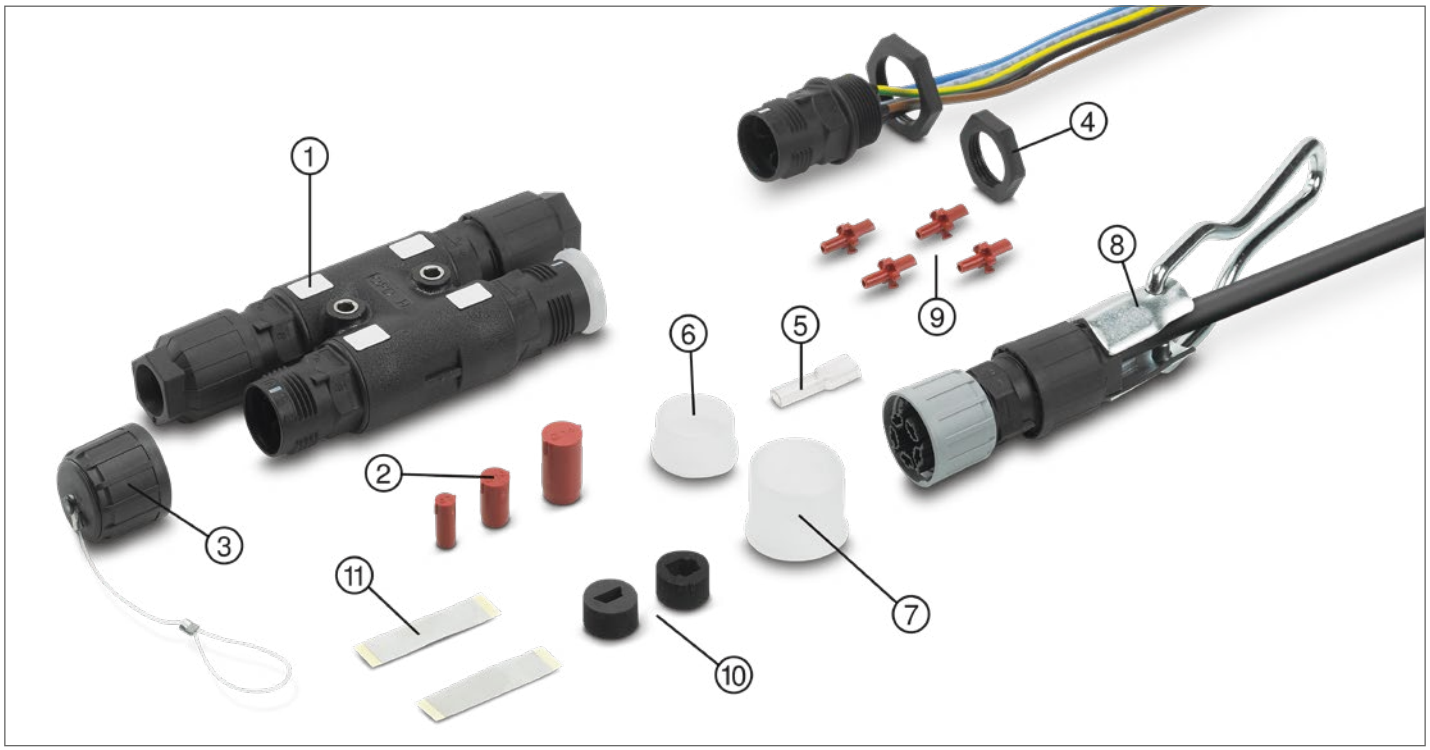
Installing a branch line for loads is easy with the compact T distributor. The cable branches off from the continuous trunk line at a right angle.

⑤ H distributors

The H distributor is a compact, robust junction box that can be connected quickly. The four connections are connected in parallel to each other, which also enables use as a star distributor.

	Conductor connectors		Installation connectors		T distributors		H distributors	Nuts
	② 		③ 		④ 		⑤ 	⑥ 
	With 1 nut	With 2 nuts	Can be unlocked with tools	Can be unlocked manually	With 2 nuts	With 3 nuts	With 4 nuts	
	1414699	1414700		1414705	1414711	1414712	1414719	1415099
	1414701	1414702		1414706	1414713	1414714	1414720	1415100
							1414721	
	1414694	1414696		1414703	1414707	1414708	1414715	1415097
	1414697	1414698		1414704	1414709	1414710	1414716	1415098
							1414717	
	1414739	1414740		1414749	1414751	1414753	1414755	1415101
	1414741	1414742		1414750	1414752	1414754	1414756	1415104
							1414757	
	1423991	1423989		1423987	1424047	1424045	1423971	1423993
	1423992	1423990		1423988	1424048	1424046	1423972	1423994
							1423973	
	1403834	1403838	1403784	1039563	1405403	1405401	1406368	1459663
	1403831	1403836	1403782	1039561	1405404	1405402	1406369	1459647
							1406370	
	1410415	1410410	1410386	1039564	1411416	1411414	1411422	1410409
	1410416	1410412	1410387	1039565	1411417	1411415	1411425	1410406
							1411426	

Accessories



	Description		Item no.
①	Marker labels for H and T distributors	For plotting and engraving	0806932
		Printable	0819453
②	Sealing plug, IP68	Diameter 7 mm	1400255
		Diameter 10 mm	1400284
		Diameter 14 mm	1400270
③	Protective cap for panel feed-throughs, captive, IP68	For 1.5 mm², 3- / 4-pos., black	1414722
		For 1.5 mm², 5-pos., black	1414728
		For 2.5 mm², 4-pos., black	1277189
		For 2.5 mm², 5-pos., gray	1404526
		For 2.5 mm², 5-pos., black	1404525
		For 6 mm², 5-pos., gray	1411401
		For 6 mm², 5-pos., black	1411400
④	Locking nut	M16, green	1640692
		M20, black	1586099
		M25, black	1640715
		Pg21, black	1582655
⑤	Insulating sleeve for spade connector		1670497

	Description		Item no.
⑥	Protective cap for QUICKON connection, IP50	For 1.5 mm², 3- / 4-pos.	1414723
		For 1.5 mm², 5-pos.	1414758
		For 2.5 mm², 4-pos.	1414758
		For 2.5 mm², 5-pos.	1404528
		For 6 mm², 5-pos.	1411403
⑦	Protective cap for connectors, IP50	For 1.5 mm², 3- / 4-pos.	1414724
		For 1.5 mm², 5-pos.	1414759
		For 2.5 mm², 4-pos.	1414759
		For 2.5 mm², 5-pos.	1404529
		For 6 mm², 5-pos.	1411404
⑧	Socket wrench for QUICKON nuts	For 1.5 mm², 5-pos. / 2.5 mm², 4-pos., wrench size 22	1670206
		For 2.5 mm², 5-pos., wrench size 27	1670646
⑨	Coding profile	For 1.5 mm², 3- / 4-pos.	1414729
		For 1.5 mm², 5-pos.	1414760
		For 2.5 mm², 4-pos.	1425950
		For 2.5 mm², 5-pos.	1404530
		For 6 mm², 5-pos.	1411402
⑩	Seal for AS-interface cables	For one AS-i cable, 2.5 mm², 4-pos.	1582462
		For two AS-i cables, 2.5 mm², 4-pos.	1582464
⑪	Shielding foil for fixing the braided shield of shielded cables		1404531

QPD STAK/STAS 3 connectors specifically designed for connecting motors

Tool-free installation

The QPD STAK/STAS 3 connectors designed for assembly are specifically intended for the motor connection of blinds, window coverings, and awnings. The IDC connection enables installation in no time – without stripping or screwing. The robust and splash-proof connector housing is perfectly suited for outdoor installation and guarantees a reliable and durable electrical installation.



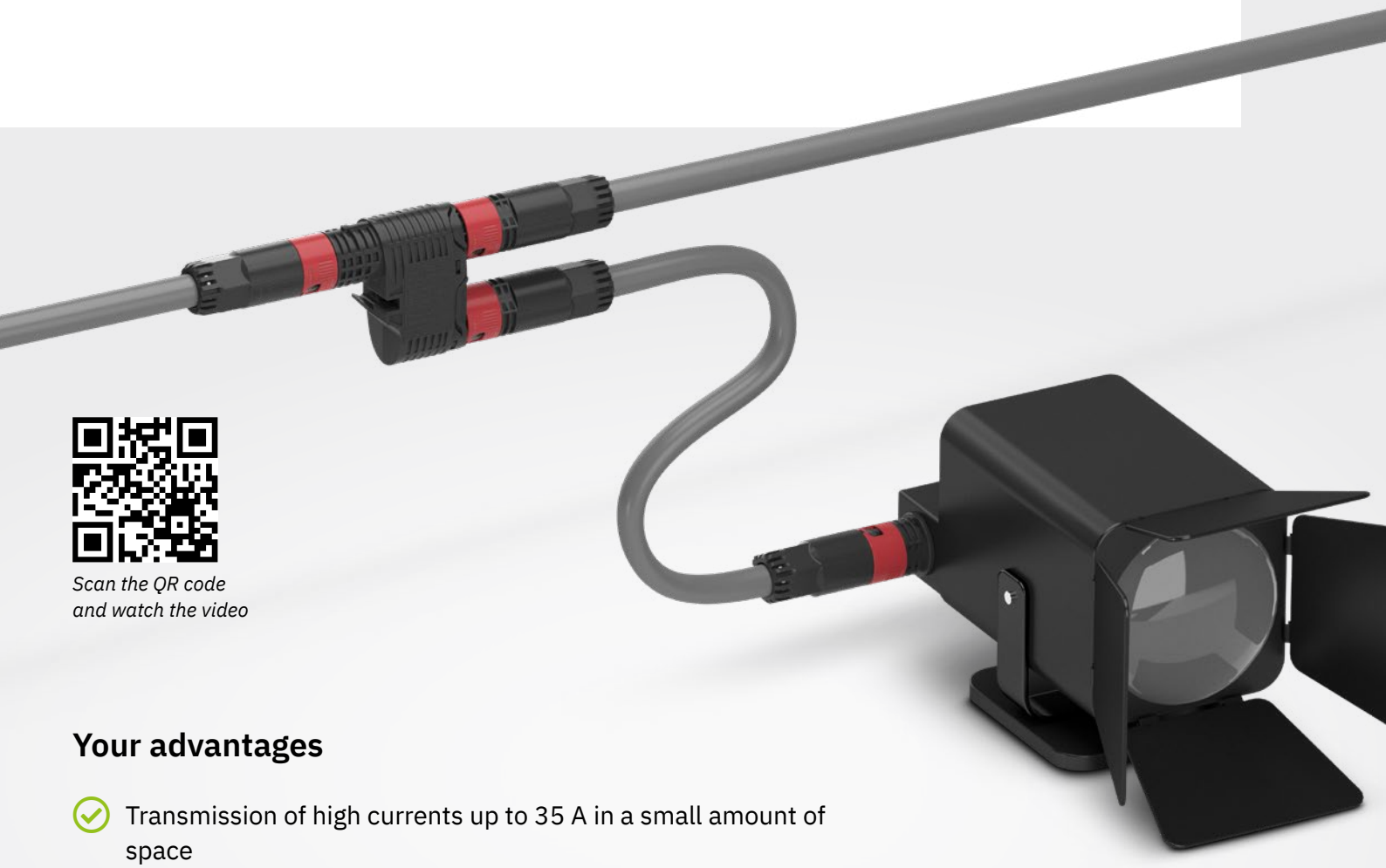
Scan the QR code and watch the video

Installation connectors				
				
Description	**Female**		**Male**	
Number of positions	4			
Conductor cross-section	0.5 mm² ... 1.5 mm²			
Voltage / currents	≤400 V / ≤16 A			
Temperature range	-40°C ... +100°C			
Degree of protection	IP54			
Color	Black	Gray	Black	Gray
Item no.	1065121	1490380	1490382	1490384

PRC installation system with screw connection

For plug-in power distribution up to 35 A

The PRC series installation system is ideally suited for compact and safe power transmission in building, industrial, and outdoor applications. The device and field connectors facilitate a multitude of connection solutions for practically every application. PRC power distributors and installation cables eliminate the need for time-consuming wiring in the field. Connect your devices via plug-and-play and benefit from the high power density of the PRC installation system.



Scan the QR code and watch the video

Your advantages

- Transmission of high currents up to 35 A in a small amount of space
- Locking that can be released either manually or by using tools ensures greater flexibility during installation and maintenance
- Reliable use under extreme ambient conditions with high degrees of protection and impact strength
- Simple handling with proven crimp or screw connection technology
- Mechanical and color coding for quick and error-free startup

Your advantages at a glance



Reliable installation

High degrees of protection and impact strength provide for reliable connections in building, industrial, and outdoor applications.



Convenient mounting

Whether screw or crimp connection, front or rear mounting, angled or straight – plug-and-play on the device saves time.



Simple power distribution

Preassembled power distributors allow easy and time-saving installation with PRC connectors.



Flexible connection

The modular system can encompass a large number of versions, while helping to optimize warehousing.



Automated processing

The PRC 20 versions with crimp contacts are a time-saving and cost-effective alternative for series production.

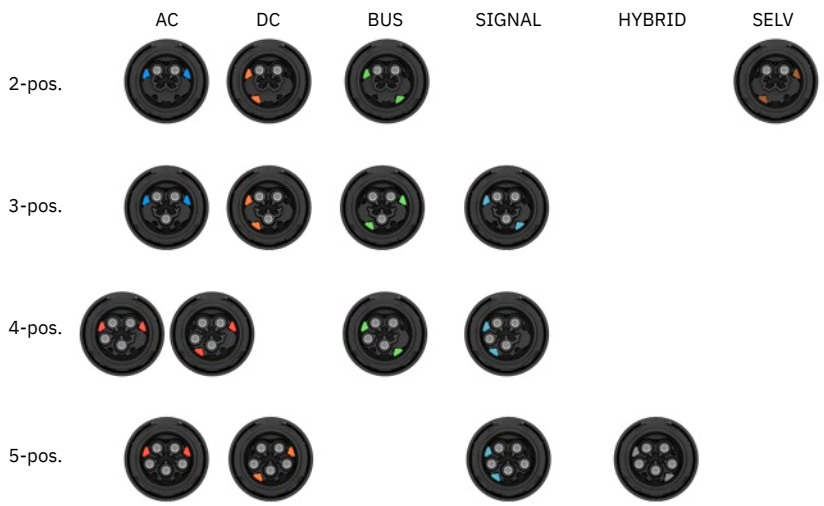


Robust signal transmission

M17 PRO contact carriers enable signal transmission in a weatherproof and corrosion-resistant connector.

Mechanical and color coding

Clever features such as mechanical coding support you with quick and error-free startup. PRC 20 separates versions with different numbers of positions as well as different versions of one number of positions safely and mechanically. The integrated color coding of the different signal types facilitates clear identification on the construction site.



PRC 35 product overview

Panel feed-throughs

										
Connection data	**Num-ber of pos.**	**Connection technology**	**Assembled**	**Designed for assembly**			**Modular**			
			150 mm litz wire	**With nut**	**Without nut**	**Male crimp contact**	**Angled housing**	**Straight housing**	**Connector contact insert**	**Coupling contact insert**
1.5 mm² ... 6 mm² 690 V / 35 A	3	Crimp connection		1409218	1627608		1065796	1065795	1070200	1070198
	5			1409206	1627609				1070199	1070197
2.5 mm² 690 V / 35 A	3	Crimp connection	1409219			1409207				
	5		1409211							
4.0 mm² 690 V / 35 A	3	Crimp connection	1409220			1409208				
	5		1409212							
6.0 mm² 690 V / 35 A	3	Crimp connection	1409221			1409209				
	5		1409213							

Assembled installation cables

				
Number of positions	**Cable length**	**Cable assemblies**		
		Coupling to free cable end	**Connector to free cable end**	**Connector to coupling**
3	5.0 m			1150693
	10.0 m			1150692
	20.0 m			1150691
5	1.0 m	1150676	1150679	
	2.5 m	1150675	1150678	
	5.0 m	1150674	1150677	1150682
	10.0 m			1150681
	20.0 m			1150680

Other versions available on request.

Installation connectors







Connection data	Number of pos.	Cable diameter	Connection technology	Designed for assembly		Modular		
				Connector	Coupling	Angled housing	Connector contact insert	Coupling contact insert
1.5 mm² ... 6 mm² 690 V / 35 A	3	8 mm ... 21 mm	Screw connection	1014498	1017635	1065798	1070200	1070198
	5			1014530	1017632		1070199	1070197

Distributors






Connection data	Number of positions	T distributors		H distributors	
		1 input / 2 outputs	Empty enclosure	1 input / 3 outputs	Empty enclosure
450 V / 32 A	3	1079650	1021212	1079651	
	5	1079659		1079660	1079658
	3 / 5			1079661	

Special versions




Connection data	Number of positions	Cable diameter	Connection technology	Conductor connectors	Cable protective cap
0.75 mm² ... 2.5 mm² 600 V / 25 A	5	9.5 mm ... 12.5 mm	Screw connection	1274812	1274810

Color coding





	Nut for panel feed-throughs	Manual release latch for couplings	Coding ring for connectors
Blue	1049831	1002293	1014455
Red	1125067	1125075	1125097
Yellow	1125062	1125073	1125058
Green	1049830	1002290	1014456
Gray	1049832	1002292	1014457
Black	1457937	-	1014496

PRC 20 product overview

Panel feed-throughs








Area of application		AC		AC without PE		DC	
Connection technology		**Screw**	**Crimp**	**Screw**	**Crimp**	**Screw**	**Crimp**
2-pos.	Female	1313275	1468364	-	-	1313277	1468368
	Male	1313274	1468362	-	-	1313276	1468365
3-pos.	Female	1313300	1468374	-	-	1313304	1468376
	Male	1313299	1468373	-	-	1313302	1468375
4-pos.	Female	1308634	1468384	1309414	1468391	-	-
	Male	1308633	1468360	1309413	1468390	-	-
5-pos.	Female	1308652	1468393	-	-	1309418	1468400
	Male	1308648	1468392	-	-	1309417	1468399

Installation connectors








Area of application		AC		AC without PE		DC	
Connection technology		**Screw**	**Crimp**	**Screw**	**Crimp**	**Screw**	**Crimp**
2-pos.	Female	1313288	1468403	-	-	1313291	1468409
	Male	1313285	1468402	-	-	1313290	1468408
3-pos.	Female	1313316	1468419	-	-	1313318	1468422
	Male	1313314	1468417	-	-	1313317	1468420
4-pos.	Female	1308640	1468442	1309416	1468449	-	-
	Male	1308639	1468441	1309415	1468448	-	-
5-pos.	Female	1308661	1468453	-	-	1309421	1468460
	Male	1308660	1468451	-	-	1309419	1468459

Power distributors



Area of application	AC	AC without PE	DC	Bus	Signal	Hybrid	SELV
2-pos.	1526179		1526180	1526181	-	-	1526184
3-pos.	1526186		1526188	1526190	1526191	-	-
4-pos.	1526192	1526195	-	1526194	1526193	-	-
5-pos.	1526196		1526200	-	1526197	1526199	-

PRC 20 accessories






Product type	IP protective cap		Dust protection cap	
For	**PRC 20 with pin contact**	**PRC 20 with female contact**	**PRC 20 with pin contact**	**PRC 20 with female contact**
	1312598	1312600	1037239	1037253

								
	Bus		**Signal**		**Hybrid**		**SELV**	
	Screw	**Crimp**	**Screw**	**Crimp**	**Screw**	**Crimp**	**Screw**	**Crimp**
	1313280	1468370	-	-	-	-	1313283	1468372
	1313278	1468369	-	-	-	-	1313281	1468371
	1313312	1468383	1313309	1468380	-	-	-	-
	1313310	1468381	1313306	1468378	-	-	-	-
	1308638	1468389	1308636	1468387	-	-	-	-
	1308637	1468388	1308635	1468385	-	-	-	-
	-	-	1308656	1468396	1308659	1468398	-	-
	-	-	1308654	1468394	1308658	1468397	-	-

								
	Bus		**Signal**		**Hybrid**		**SELV**	
	Screw	**Crimp**	**Screw**	**Crimp**	**Screw**	**Crimp**	**Screw**	**Crimp**
	1313293	1468412	-	-	-	-	1313295	1468414
	1313292	1468410	-	-	-	-	1313294	1468416
	1313325	1468426	1313321	1468424	-	-	-	-
	1313323	1468425	1313320	1468423	-	-	-	-
	1308646	1468446	1308642	1468444	-	-	-	-
	1308644	1468445	1308641	1468443	-	-	-	-
	-	-	1308663	1468455	1308665	1468458	-	-
	-	-	1308662	1468454	1308664	1468457	-	-

PRC 20 signal connectors

			
Product type		**Panel feed-through**	**Installation connector**
Area of application		**Signal**	
Connection technology		**Crimp**	
5-pos. + PE	Female	1636042	1636030
	Male	1636039	1636028
6-pos. + PE	Female	1636044	1636031
	Male	1636043	1636034

PRC 20 crimp contacts

		
	PRC 20...	**PRC 20/M17...**
	0.5 mm² ... 2.5 mm²	**0.25 mm² ... 1 mm²**
Female	1468462	1243216
Male	1468461	1243215

DC connectors with ArcZero technology

Safe connection and disconnection under load

DC connectors from Phoenix Contact can be safely connected and disconnected under load. The ArcZero series provides you with reliable protection against hazardous electric arcs. The capability of being connected under load enables selected components to be fully shut down, thus ensuring high system availability. The impact strength of the low-voltage connectors also enables DC connections to be established under extreme conditions.

Scan the QR code and watch the video



Your advantages

- Safe connection and disconnection under load
- Fast disconnection of flying leads
- Time-saving maintenance or replacement of connected devices
- Robust outdoor design even for extreme conditions
- Particularly durable and economical

Suitable for a wide range of applications

Telecommunications

Security of supply and efficiency are important, especially in telecommunications. 48 V DC voltage is already being used here. This comparatively low voltage enables safe working on the system, but requires high cable cross-sections for power transmission. With ArcZero, it is possible to safely disconnect even higher voltages, plus save on cabling material at the same time.



Railway

Moving or outdoor devices and machines are usually exposed to extreme influences. ArcZero uses material and contact technologies that have proven their worth, even under extreme conditions. This saves energy and minimizes damage.



Production

Production plants in particular benefit from DC grids. By switching to DC voltage, it is possible to minimize conversion losses and to easily feed regenerative energy back into the supply system.



Building infrastructure

In building technology distribution circuits and final circuits, it is also possible to minimize energy losses by switching from AC to DC voltage. The 400 V ArcZero versions are a safe solution for users with plug-in interfaces.



ArcZero					
					
	Coupler connector	**Connector**	**Panel feed-through**	**Protective cap for coupler connector**	**Protective cap for connector**
400 V	1437004	1437019	1437018	1409236	1409237
800 V	1441143	1453450	1453451	1476946	1476945