



# Installation systems

Product overview 2026

# 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 insulation displacement connection. The system consists of connectors and conductor connectors, H and T distributors, and panel feed-throughs.

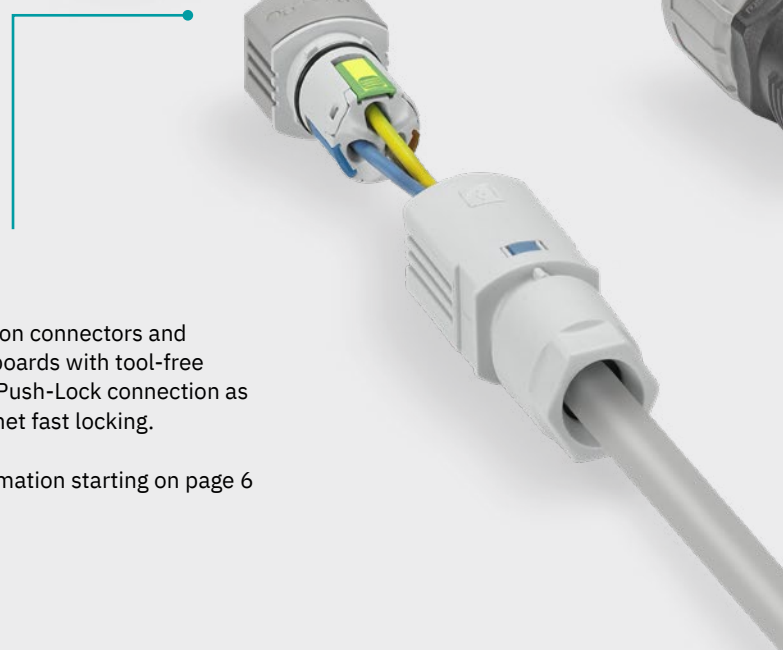
➤ More information starting on page 12



### IPD

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

➤ 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 18



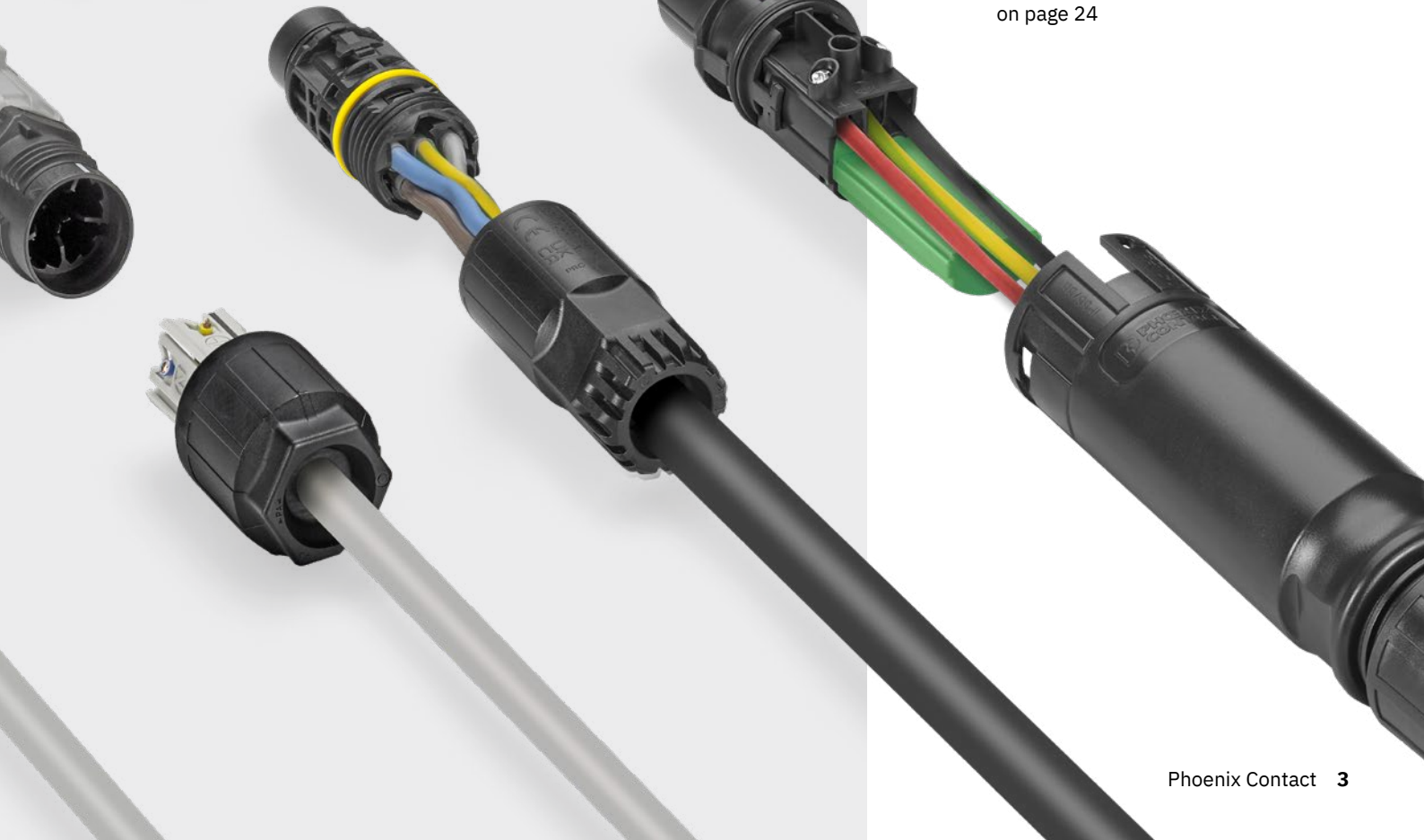
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## ArcZero

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

➤ More information starting on page 24



# 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 mating 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	Insulation 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
Impact resistance	IK07 (-30°C)	IK07 (-40°C)	IK08 (-25°C)	IK08 (-25°C)
Ambient temperature (operation)	-30°C (-40°C) ... +100°C	-40°C ... +100°C	-40°C ... +105°C	-40°C ... +105°C
Type of locking	Bayonet fast locking, 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
Mating cycles	Up to 500	50	Up to 2000	500 (under load)
Conductor cross-section (rigid and flexible)	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>	0.5 mm <sup>2</sup> ... 6.0 mm <sup>2</sup>	0.5 mm <sup>2</sup> ... 6.0 mm <sup>2</sup>	2.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
External cable diameter	4.5 mm ... 16 mm	4 mm ... 20 mm	6 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 fast locking, 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.

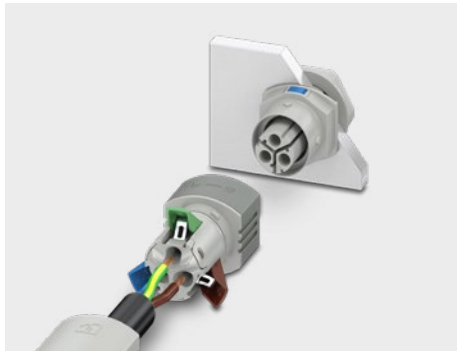


## Your advantages

- ✓ 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

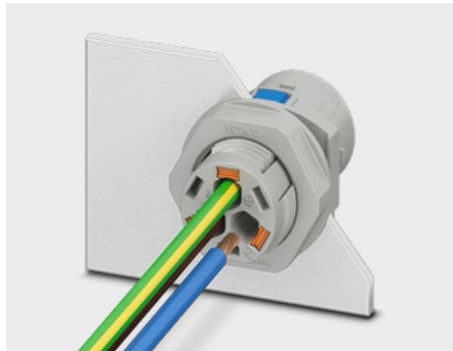


## Your advantages at a glance



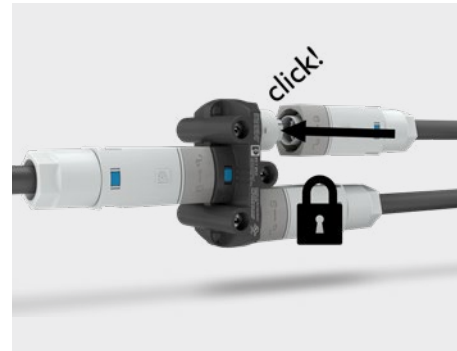
### Time-saving wiring

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.



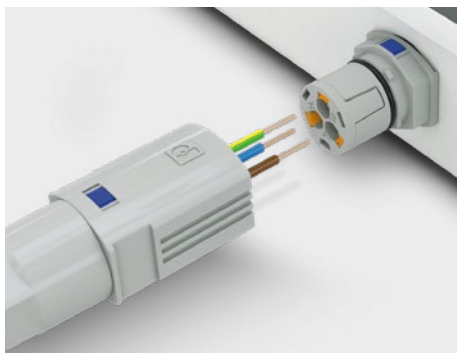
### Tool-free device connection

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 bayonet fast locking. 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

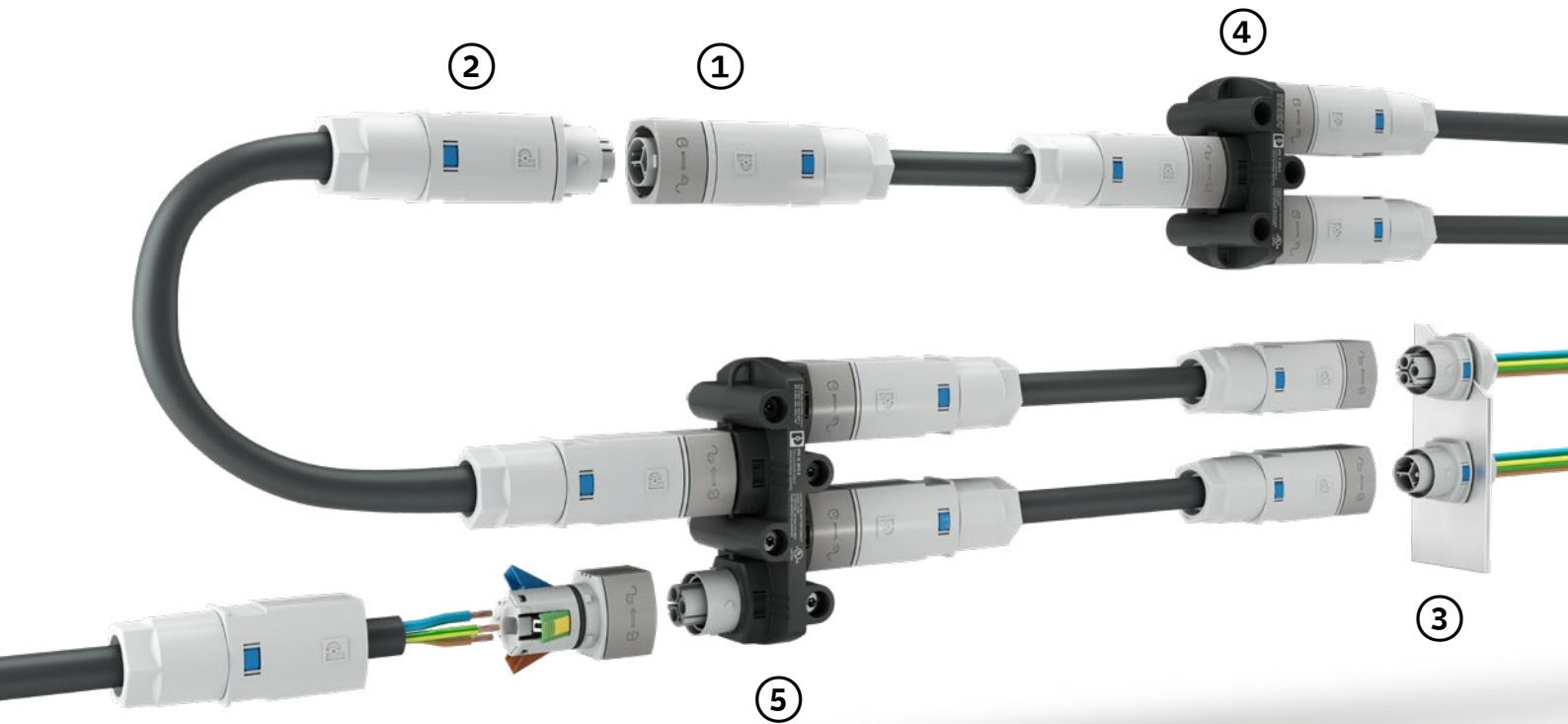
The preassembled cable assemblies make large cabling projects considerably easier. The PVC connecting cables and control lines suitable for your project are available in four different cable lengths: 0.5, 1, 3, and 5 m, as versions with connector or coupling to free cable end or connector to coupling.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



### Reliable protection

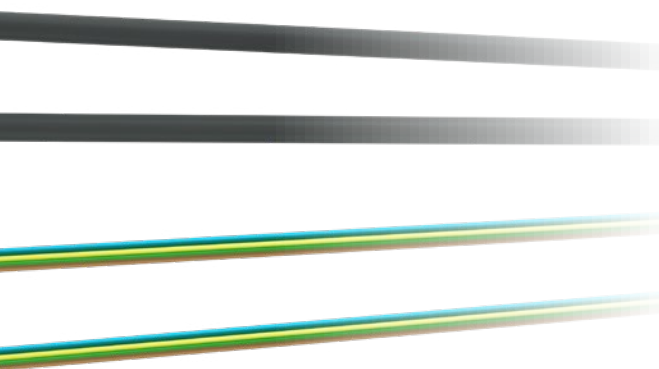
Long-term stable cabling in outdoor and industrial environments: With IP66, IP68, and IP69K throughout the entire system, your installation is protected against water and dust, for particularly reliable installations in harsh environments.

# IPD product overview



Installation connectors						
			①		②	
Connection data	Number of positions	Color	Connector with locking element		Connector without locking element	
			Male	Female	Male	Female
IPD 1.5 mm <sup>2</sup> 600 V / 16 A 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>	3	Gray	<a href="#">1559132</a>	<a href="#">1559130</a>	<a href="#">1559128</a>	<a href="#">1559125</a>
		Black	<a href="#">1559131</a>	<a href="#">1559129</a>	<a href="#">1559127</a>	<a href="#">1559122</a>
	5	Gray	<a href="#">1559121</a>	<a href="#">1559119</a>	<a href="#">1559117</a>	<a href="#">1559113</a>
		Black	<a href="#">1559120</a>	<a href="#">1559118</a>	<a href="#">1559114</a>	<a href="#">1559112</a>
IPD 2.5 mm <sup>2</sup> Up to 600 V / up to 20 A 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>	3	Gray	<a href="#">1088672</a>	<a href="#">1088674</a>	<a href="#">1088671</a>	<a href="#">1088673</a>
		Black	<a href="#">1088664</a>	<a href="#">1088666</a>	<a href="#">1088662</a>	<a href="#">1088665</a>
	5	Gray	<a href="#">1088676</a>	<a href="#">1088678</a>	<a href="#">1088675</a>	<a href="#">1088677</a>
		Black	<a href="#">1088668</a>	<a href="#">1088670</a>	<a href="#">1088667</a>	<a href="#">1088669</a>





Panel feed-throughs	
③	
M16	
Push-in	
Male	Female
<a href="#">1484179</a>	<a href="#">1484202</a>
<a href="#">1484181</a>	<a href="#">1484204</a>
-	-
-	-






③				③			
M20				M25			
Push-in		0.5 m litz wire		Push-in		0.5 m litz wire	
Male	Female	Male	Female	Male	Female	Male	Female
1484185	1484210	-	-	-	-	-	-
1484200	1484213	-	-	-	-	-	-
1484219	1484226	-	-	-	-	-	-
1484222	1484228	-	-	-	-	-	-
1088687	1088689	1088700	1088702	1088688	1088690	1088701	1088703
1088679	1088682	1088693	1088695	1088681	1088684	1088694	1088696
-	-	-	-	1088691	1088692	1088704	1088705
-	-	-	-	1088685	1088686	1088697	1088698

Distributors	
④	⑤
Y distributors	H distributors
-	-
1786317	1786315
-	-
1786312	1786318
-	-
1499529	1499528
-	-
1499533	1499531



# IPD product overview

IPD panel feed-throughs for direct cable connection								
								
Current / voltage	Number of positions	Connection cross-section	External cable diameter	Mounting type	With Push-in connection		With 0.5 m litz wires	
					Gray	Black	Gray	Black
690 V / 20 A	3	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>	6 mm ... 9 mm 8 mm ... 13 mm	M20	<a href="#">1047319</a>	<a href="#">1047321</a>	<a href="#">1047347</a>	<a href="#">1047348</a>
				M25	<a href="#">1047322</a>	<a href="#">1047324</a>	<a href="#">1047354</a>	<a href="#">1047355</a>
	5		7 mm ... 11 mm 6 mm ... 16 mm	M25	<a href="#">1047344</a>	<a href="#">1047345</a>	<a href="#">1047360</a>	<a href="#">1047363</a>

Accessories						
Product type	Dust protection cap		Dust protection cap		IP protective cap	
For	IPD 1.5 mm <sup>2</sup> , 3-pos.		IPD 1.5 mm <sup>2</sup> , 5-pos. and IPD 2.5 mm <sup>2</sup> , 3-pos.		IPD 1.5 mm <sup>2</sup> , 5-pos. and IPD 2.5 mm <sup>2</sup> , 3-pos.	
Width	22 mm		26 mm		26 mm	
Degree of protection	IP54		IP54		IP66/IP68/IP69K	
With locking element	No	Yes	No	Yes	No	Yes
Item no.	<a href="#">1845545</a>	<a href="#">1845546</a>	<a href="#">1845543</a>	<a href="#">1845544</a>	<a href="#">1088706</a>	<a href="#">1088707</a>

Assembled installation cables							
							
Current / voltage	Number of positions	Conductor cross-section	External cable diameter	Cable length	With free cable end		Cable end with female
					Gray		
					Male	Female	Male
2.5 mm <sup>2</sup> 500 V / 16 A	3	2.5 mm <sup>2</sup>	9.6 mm	0.5 m	<a href="#">1526861</a>	<a href="#">1526865</a>	<a href="#">1526872</a>
				1.0 m	<a href="#">1526862</a>	<a href="#">1526866</a>	<a href="#">1526873</a>
				3.0 m	<a href="#">1526863</a>	<a href="#">1526867</a>	<a href="#">1526874</a>
				5.0 m	<a href="#">1526864</a>	<a href="#">1526869</a>	<a href="#">1526875</a>
2.5 mm <sup>2</sup> 600 V / 16 A	5		11.8 mm	0.5 m	<a href="#">1526876</a>	<a href="#">1526880</a>	<a href="#">1526887</a>
				1.0 m	<a href="#">1526877</a>	<a href="#">1526882</a>	<a href="#">1526889</a>
				3.0 m	<a href="#">1526878</a>	<a href="#">1526885</a>	<a href="#">1526891</a>
				5.0 m	<a href="#">1526879</a>	<a href="#">1526886</a>	<a href="#">1526892</a>

			
Dust protection cap		IP protective cap	
IPD 2.5 mm <sup>2</sup> , 5-pos.		IPD 2.5 mm <sup>2</sup> , 5-pos.	
32 mm		32 mm	
IP54		IP66/IP68/IP69K	
No	Yes	No	Yes
<a href="#">1845548</a>	<a href="#">1845542</a>	<a href="#">1088710</a>	<a href="#">108871</a>

Seal for AS-Interface cables		
		
For	One AS-i cable	Two AS-i cables
2.5 mm <sup>2</sup> , 3-pos.	<a href="#">1698175</a>	-
2.5 mm <sup>2</sup> , 5-pos.	<a href="#">1698174</a>	<a href="#">1698173</a>

# 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 proven QUICKON insulation displacement connection, cables up to 5 x 6.0 mm<sup>2</sup> 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.

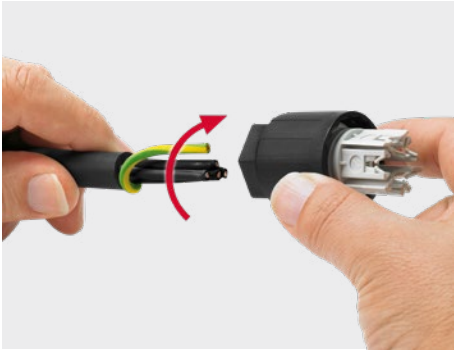


### Your advantages

- ✔ 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 impact resistance
- ✔ Continuously protected electronics, because devices can remain closed during connection work on site



## 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.



Use the QSS... socket wrench, a wrench, or pliers. It must not be possible to unscrew the QUICKON nut 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

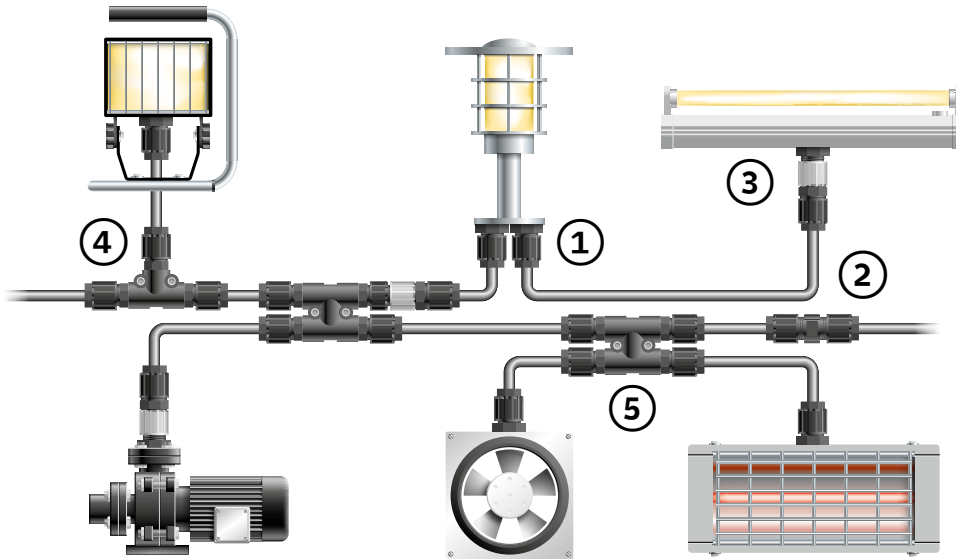


2. The conductor is centered



3. Connection to the conductor is gas-tight

# QPD product overview



			Panel feed-throughs						
			M20			M25			
			①						
									
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 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> 690 V / 17.5 A	3	5 ... 9.5 mm	<a href="#">1414684</a>	<a href="#">1414685</a>	<a href="#">1414686</a>	-	-	-	-
		10 ... 13 mm	<a href="#">1414687</a>	<a href="#">1414688</a>	<a href="#">1414689</a>	-	-	-	-
		Without nut	<a href="#">1414690</a>	<a href="#">1414691</a>	<a href="#">1414692</a>	-	-	-	-
	4	5 ... 9.5 mm	<a href="#">1414675</a>	<a href="#">1414676</a>	<a href="#">1414677</a>	-	-	-	-
		10 ... 13 mm	<a href="#">1414678</a>	<a href="#">1414679</a>	<a href="#">1414680</a>	-	-	-	-
		Without nut	<a href="#">1414681</a>	<a href="#">1414682</a>	<a href="#">1414683</a>	-	-	-	-
	5	6 ... 10 mm	-	-	-	<a href="#">1414730</a>	<a href="#">1414731</a>	<a href="#">1414732</a>	-
		10 ... 14 mm	-	-	-	<a href="#">1414733</a>	<a href="#">1414734</a>	<a href="#">1414735</a>	-
		Without nut	-	-	-	<a href="#">1414736</a>	<a href="#">1414737</a>	<a href="#">1414738</a>	-
1.0 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> 690 V / 20 A	4	6 ... 10 mm	-	-	-	<a href="#">1423975</a>	-	<a href="#">1423976</a>	<a href="#">1423977</a>
		9 ... 14 mm	-	-	-	<a href="#">1423980</a>	<a href="#">1423979</a>	<a href="#">1423981</a>	<a href="#">1423982</a>
		Without nut	-	-	-	<a href="#">1423983</a>	<a href="#">1423984</a>	<a href="#">1423986</a>	<a href="#">1423985</a>
	5	6 ... 11 mm	<a href="#">1403725</a>	-	<a href="#">1403729</a>	<a href="#">1582557</a>	<a href="#">1582558</a>	-	<a href="#">1411432</a>
		9 ... 16 mm	<a href="#">1403731</a>	<a href="#">1403733</a>	<a href="#">1403735</a>	<a href="#">1582561</a>	<a href="#">1582562</a>	<a href="#">1582563</a>	<a href="#">1411433</a>
		Without nut	<a href="#">1403737</a>	<a href="#">1403739</a>	<a href="#">1403741</a>	<a href="#">1582565</a>	<a href="#">1582566</a>	<a href="#">1582567</a>	-
2.5 mm <sup>2</sup> ... 6.0 mm <sup>2</sup> 690 V / 40 A	5	9 ... 14 mm	-	-	-	<a href="#">1410392</a>	<a href="#">1410393</a>	-	-
		12 ... 20 mm	-	-	-	<a href="#">1410394</a>	<a href="#">1410395</a>	-	-
		Without nut	-	-	-	<a href="#">1410396</a>	<a href="#">1410397</a>	-	-

### 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 in service situations or for installations with preassembled cables. It is coded to prevent mismatching.

### ④ T distributors

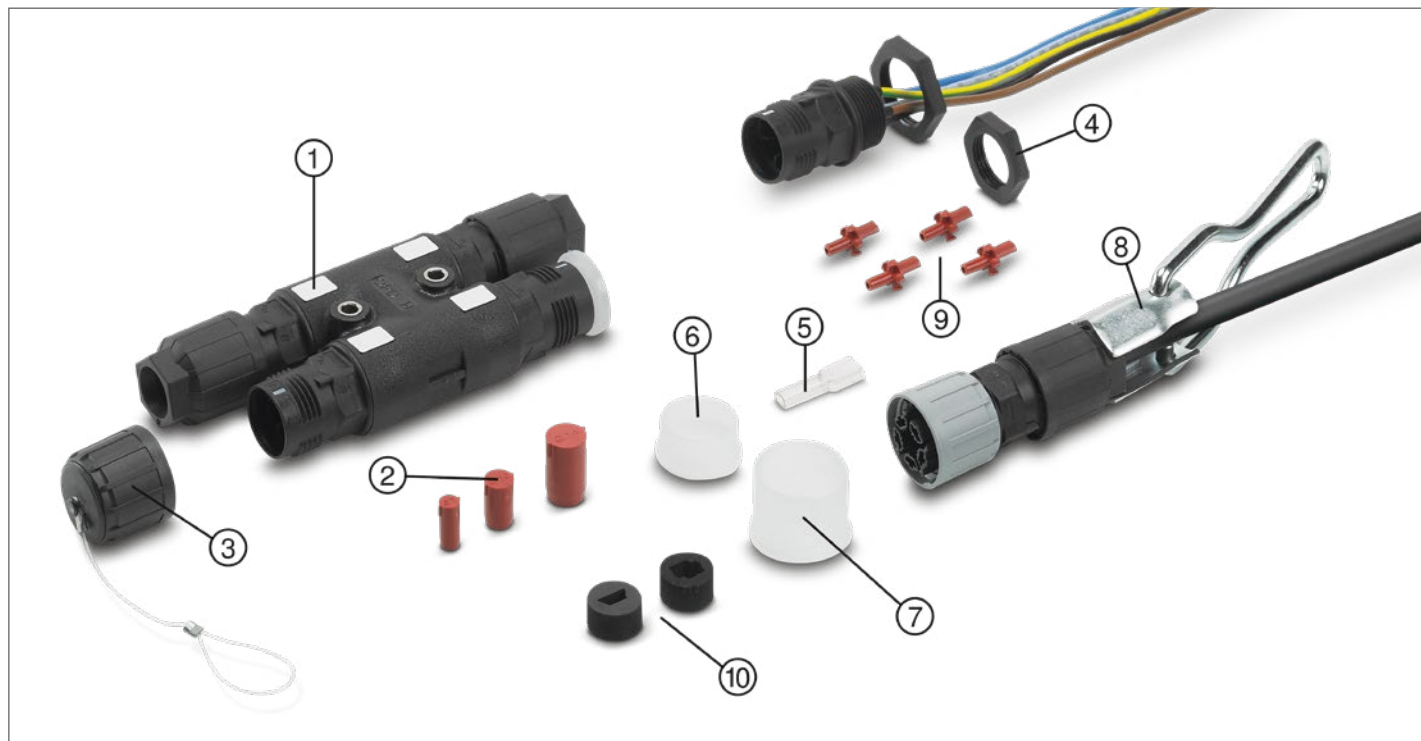
Installing a branch line for loads is easy with the compact T distributor. The cable branches off from the continuous trunk line at a right angle.

### 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
							
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	-
-	1410410	1410386	1039564	1411416	1411414	1411422	1410409
-	1410412	1410387	1039565	1411417	1411415	1411425	1410406
-	-	-	-	-	-	1411426	-

## Accessories



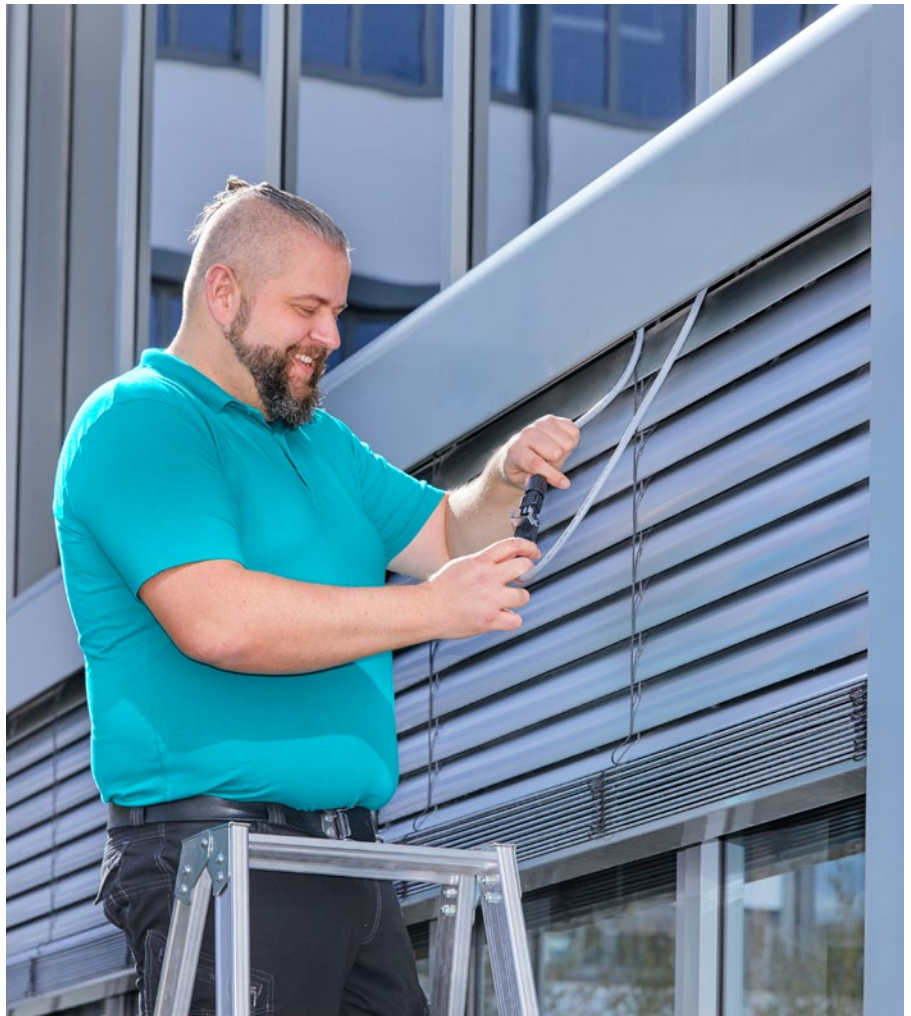
	Description	Item no.	
①	Marker labels for H and T distributors	For plotting and engraving	<a href="#">0806932</a>
		Printable	<a href="#">0819453</a>
②	Sealing plug, IP68	Diameter 7 mm	<a href="#">1400255</a>
		Diameter 10 mm	<a href="#">1400284</a>
		Diameter 14 mm	<a href="#">1400270</a>
③	Protective cap for panel feed-throughs, captive, IP68	For 1.5 mm <sup>2</sup> , 3- / 4-pos., black	<a href="#">1414722</a>
		For 1.5 mm <sup>2</sup> , 5-pos., black	<a href="#">1414728</a>
		For 2.5 mm <sup>2</sup> , 4-pos., black	<a href="#">1277193</a>
		For 2.5 mm <sup>2</sup> , 5-pos., black	<a href="#">1404525</a>
		For 6 mm <sup>2</sup> , 5-pos., black	<a href="#">1411400</a>
④	Locking nut	M16, black	<a href="#">1411214</a>
		M20, black	<a href="#">1411215</a>
		M25, black	<a href="#">1411216</a>
		Pg21, black	<a href="#">1424563</a>
⑤	Insulating sleeve for spade connector	<a href="#">1670497</a>	
⑥	Protective cap for QUICKON connection, IP50	For 1.5 mm <sup>2</sup> , 3- / 4-pos.	<a href="#">1414723</a>
		For 1.5 mm <sup>2</sup> , 5-pos.	<a href="#">1414758</a>
		For 2.5 mm <sup>2</sup> , 4-pos.	<a href="#">1414758</a>
		For 2.5 mm <sup>2</sup> , 5-pos.	<a href="#">1404528</a>
		For 6 mm <sup>2</sup> , 5-pos.	<a href="#">1411403</a>

	Description	Item no.	
⑦	Protective cap for connectors, IP50	For 1.5 mm <sup>2</sup> , 3- / 4-pos.	<a href="#">1414724</a>
		For 1.5 mm <sup>2</sup> , 5-pos.	<a href="#">1414759</a>
		For 2.5 mm <sup>2</sup> , 4-pos.	<a href="#">1414759</a>
		For 2.5 mm <sup>2</sup> , 5-pos.	<a href="#">1404529</a>
		For 6 mm <sup>2</sup> , 5-pos.	<a href="#">1411404</a>
⑧	Socket wrench for QUICKON nuts	For 1.5 mm <sup>2</sup> , 3- / 4-pos., QPD STAK / STAS, wrench size 21.5	<a href="#">1739906</a>
		For 1.5 mm <sup>2</sup> , 5-pos. / 2.5 mm <sup>2</sup> , 4-pos., wrench size 22	<a href="#">1670206</a>
		For 2.5 mm <sup>2</sup> , 5-pos., wrench size 27	<a href="#">1670646</a>
⑨	Coding profile	For 1.5 mm <sup>2</sup> , 3- / 4-pos.	<a href="#">1414729</a>
		For 1.5 mm <sup>2</sup> , 5-pos.	<a href="#">1414760</a>
		For 2.5 mm <sup>2</sup> , 4-pos.	<a href="#">1425950</a>
		For 2.5 mm <sup>2</sup> , 5-pos.	<a href="#">1404530</a>
		For 6 mm <sup>2</sup> , 5-pos.	<a href="#">1411402</a>
⑩	Seal for AS-interface cables	For one AS-i cable, 2.5 mm <sup>2</sup> , 4-pos.	<a href="#">1582462</a>
		For two AS-i cables, 2.5 mm <sup>2</sup> , 4-pos.	<a href="#">1582464</a>

# 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.



Web code:  
#1750

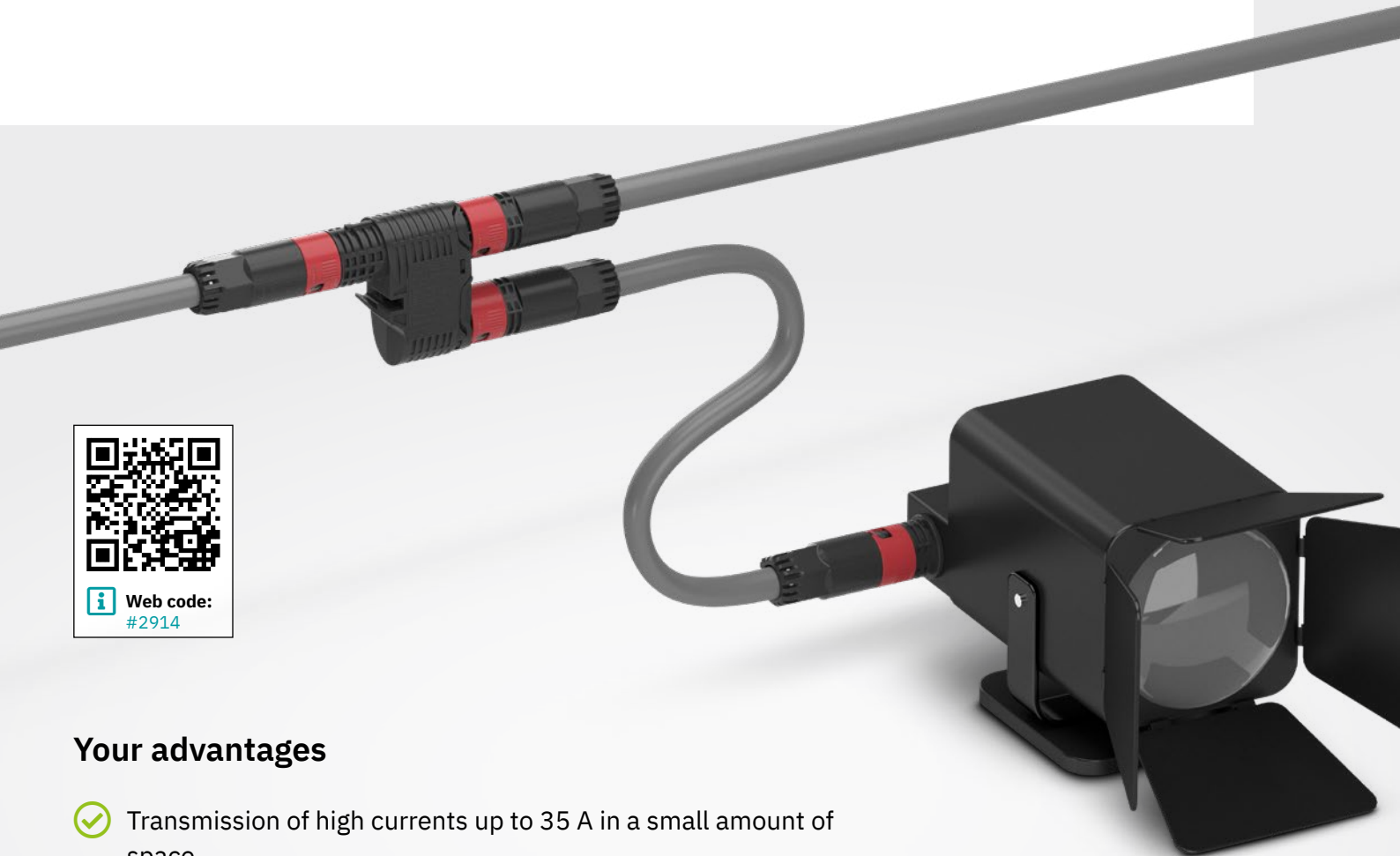
## Installation connectors

	Female		Male	
				
<b>Description</b>	<b>Female</b>		<b>Male</b>	
Number of positions	4			
Conductor cross-section	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>			
Voltage / currents	400 V / 16 A			
Temperature range	-40°C ... +100°C			
Degree of protection	IP54 IP66/IP67 (in combination with Phoenix Contact mating connectors)			
Color	Black	Gray	Black	Gray
Item no.	<a href="#">1065121</a>	<a href="#">1490380</a>	<a href="#">1490382</a>	<a href="#">1490384</a>

# 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.



## 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.



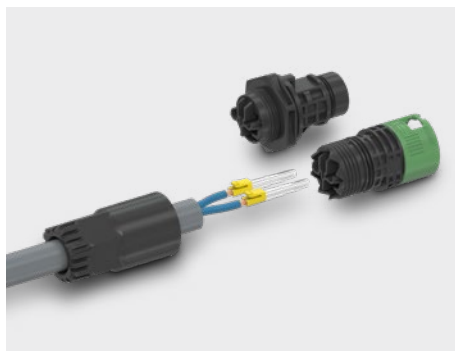
### Simple power distribution

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.

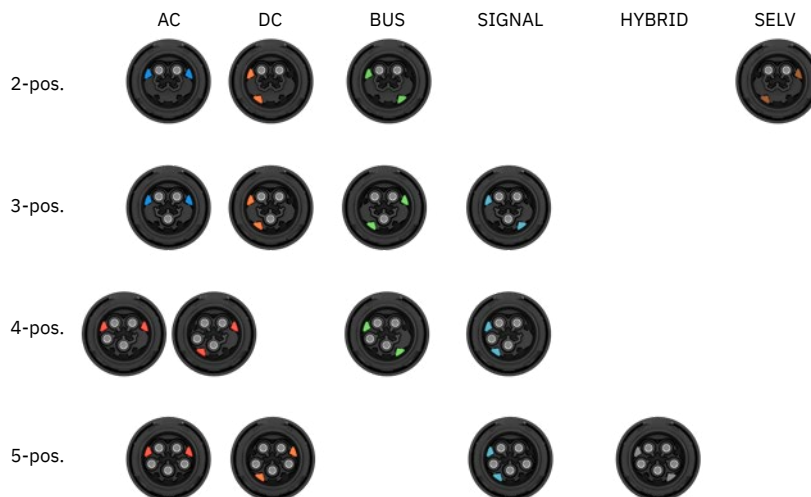


### Robust signal transmission

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	Number of positions	Connection technology	Assembled	Designed for assembly		Modular			
			150 mm litz wire	With nut	Male crimp contact	Angled housing	Straight housing	Connector contact insert	Coupling contact insert
1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> 690 V / 35 A	3	Crimp connection	-	1409218	-	1065796	1065795	1070200	1070198
	5		-	1409206	-	-	-	1070199	1070197
2.5 mm <sup>2</sup> 690 V / 35 A	3	Crimp connection	-	-	1409207	-	-	-	-
4.0 mm <sup>2</sup> 690 V / 35 A	3	Crimp connection	1409220	-	1409208	-	-	-	-
6.0 mm <sup>2</sup> 690 V / 35 A	3	Crimp connection	-	-	1409209	-	-	-	-




Assembled installation cables				
				
Number of positions	Cable length	Cable assemblies		
		Coupling to free cable end	Connector to free cable end	Connector to coupling
5	5.0 m	1150674	1150677	1150682
	10.0 m	-	-	1150681

Other versions available on request.



Installation connectors								
								
Connection data	Nr. of pos.	Cable diameter	Connection technology	Designed for assembly			Modular	
				Connector	Coupling	Angled housing	Connector contact insert	Coupling contact insert
1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> 690 V / 35 A	3	8 mm ... 21 mm	Screw connection	<a href="#">1014498</a>	<a href="#">1017635</a>	<a href="#">1065798</a>	<a href="#">1070200</a>	<a href="#">1070198</a>
	5			<a href="#">1014530</a>	<a href="#">1017632</a>	-	<a href="#">1070199</a>	<a href="#">1070197</a>







Distributors			
			
Connection data	Number of positions	T distributors	H distributors
		1 input / 2 outputs	1 input / 3 outputs
450 V / 32 A	5	<a href="#">1079659</a>	<a href="#">1079660</a>


Special versions				
				
Cable diameter		IP67 empty enclosure, can be combined, e.g., with PTVFIX	PTVFIX 2,5 device terminal block, 3-pos.	PTVFIX 2,5 device terminal block, 5-pos.
9.5 mm ... 12.5 mm		<a href="#">1888728</a>	<a href="#">1300612</a>	<a href="#">1300613</a>

Color coding				
				
		Nut for panel feed-throughs	Manual release latch for couplings	Coding ring for connectors
Blue		<a href="#">1049831</a>	<a href="#">1002293</a>	<a href="#">1014455</a>
Red		<a href="#">1125067</a>	<a href="#">1125075</a>	<a href="#">1125097</a>
Yellow		<a href="#">1125062</a>	<a href="#">1125073</a>	<a href="#">1125058</a>
Green		<a href="#">1049830</a>	<a href="#">1002290</a>	<a href="#">1014456</a>
Gray		<a href="#">1049832</a>	<a href="#">1002292</a>	<a href="#">1014457</a>
Black		<a href="#">1457937</a>	-	<a href="#">1014496</a>

# PRC 20 product overview

Panel feed-throughs							
							
Field 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							
							
Field 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								
								
Field 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 connectors	
Field 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.



### 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	<a href="#">1437004</a>	<a href="#">1437019</a>	<a href="#">1437018</a>	<a href="#">1409236</a>	<a href="#">1409237</a>
800 V	<a href="#">1441143</a>	<a href="#">1453450</a>	<a href="#">1453451</a>	<a href="#">1476946</a>	<a href="#">1476945</a>

# Excellent services

Throughout your development process, Phoenix Contact will provide excellent services that make the difference. Discover how modern configurators, comprehensive technical data, and free product samples can make your daily work easier. As your partner, we will support you in the design-in process all the way to the development of customized connection and housing solutions.

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Choose online from 60,000 products and find the right solution quickly:

- Intuitive filter and search functions
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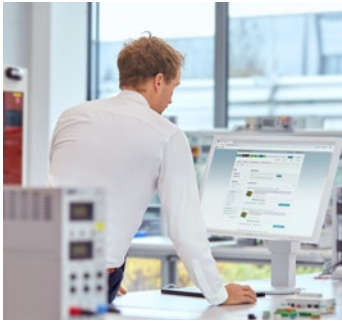
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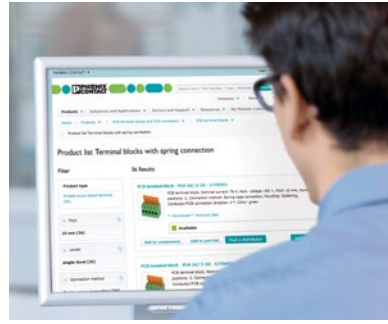


Further information on Phoenix Contact services:  
Simply type the web code into the search field on our website.

 **Web code: #2594**



*Simple selection using filters and technical data*



*There is a separate detail page for every product*



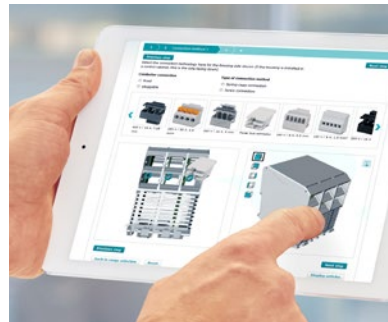
*A data sheet is available to download for every item*



*With our global network, Phoenix Contact is always nearby*



*Device connection technology can be comprehensively configured*



*Housing parts and connection technology are easy to configure*



*Cable and assembly systems can be matched easily*



*Phoenix Contact provides support from the initial idea right through to series production*



*Our online sample service is available in a large number of countries*



*Find the product you want quickly with intuitive filters*



*Product samples are available with free shipping*



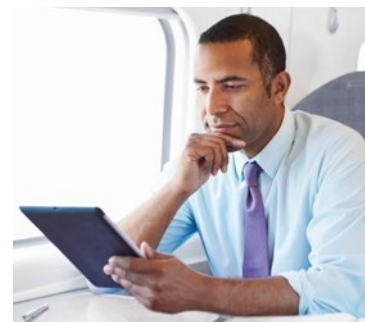
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You can find your local partner at  
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