



Field power cabling and connectors

Delivering maximum power for maximum performance

Field power cabling and connections

Connect a variety of power cables easily and flexibly with our wide range of power cordsets and connectors. Depending on the demands of your power distribution application, choose between simple, prefabricated cordsets, device connectors for wired or PCB connections, convenient field-wired connectors with a range of termination methods, and distribution blocks to connect trunk lines to taps to further distribute power among several devices.

Metric power

- ✓ M12 Power
- ✓ AC power – S, K, and M code
- ✓ DC power – T and L code
- ✓ S15 hybrid power

Inch power

- ✓ 1-3/8" trunk line connector system
- ✓ 7/8" device connector system

Installation power

- ✓ IPD – Installation Power Distribution
- ✓ QPD – Quickon Power Distribution
- ✓ PRC – Plastic Round Connectors
- ✓ ArcZero – Safe connect/disconnect under load



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Key components of power distribution

There are several critical components in a power distribution network – power supplies, circuit breakers, terminal blocks, surge protection, the load device, and of course, cables and connectors to tie it all together. Phoenix Contact offers a wide range of connector form factors for a variety of different industrial applications. Whether you're looking at a lighting installation, powering your logistics center, bringing robotics to life, or you have a motor that needs to turn just about anywhere, we have you covered.



Power connections at a glance

With so many different form factors to consider, a comparison of some of the basic aspects of these power connectors can help narrow your options significantly. Here is a quick look at the applicable termination methods and basic electrical limits.

Plug connectors								
System	Product line	Body	Locking mechanism	Termination method				
				Overmolded	Push-in	Screw	Crimp	IDC
Metric power	M12 Power	Plastic	Metal	X	X	X	X	
	S15 Power	Plastic	Plastic	X				
Inch power	1-3/8"	Plastic	Metal	X		X		
	7/8"	Plastic	Metal	X		X		
Installation systems	IPD	Plastic	Plastic		X			
	QPD	Plastic	Plastic					X
	PRC	Plastic	Plastic			X	X	
	ArcZero	Plastic	Plastic			X		

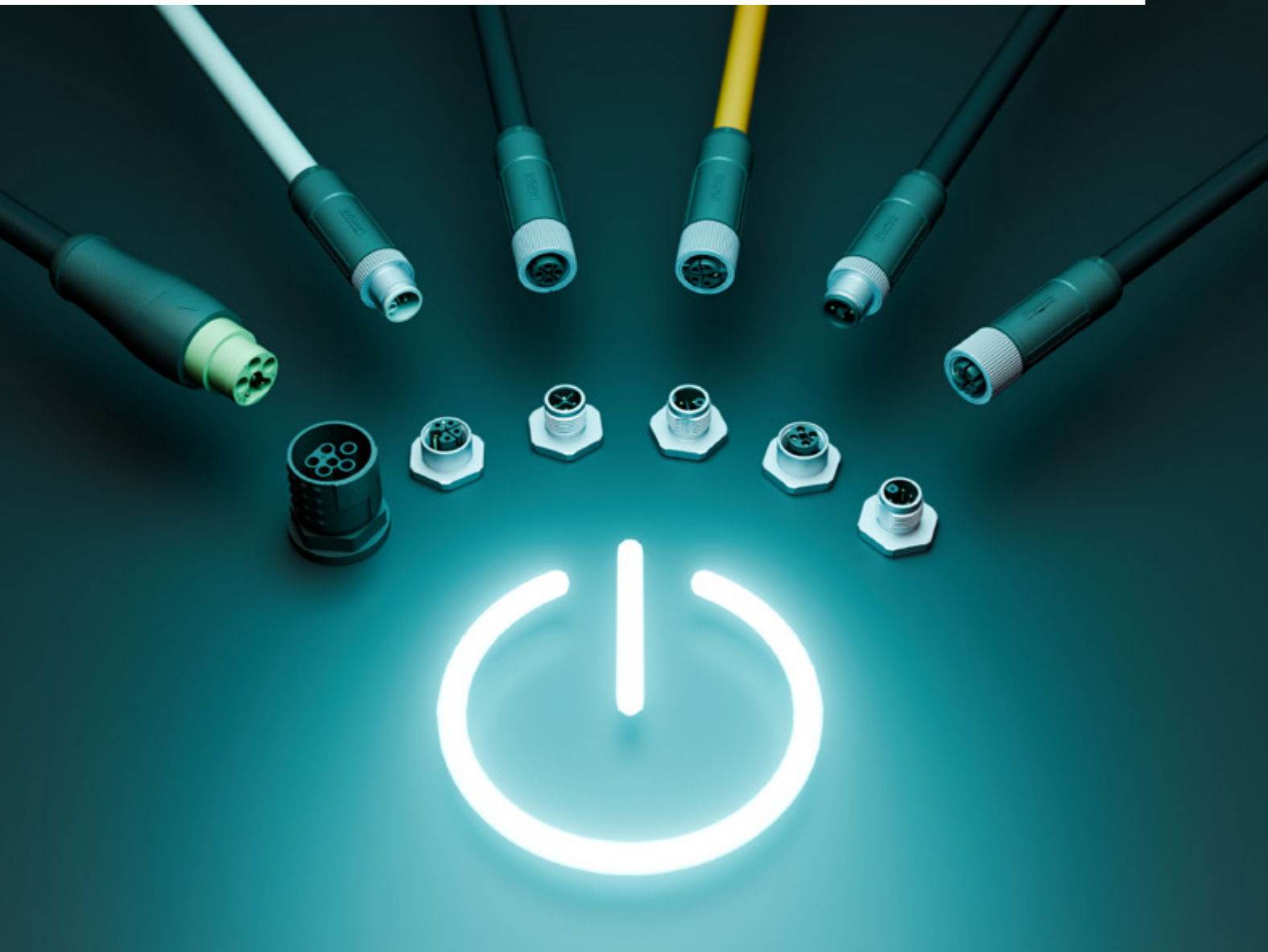
Panel/device connectors									
System	Product line	Housing	Termination method						
			Litz wires	Push-in	PCB	Screw	Crimp	IDC	Spade
Metric power	M12 Power	Metal	X		X				
	S15 Power	Plastic	Coming in late 2025!						
Inch power	1-3/8"	Metal	X						
	7/8"	Metal	X						
Installation systems	IPD	Plastic	X	X					
	QPD	Plastic	X	X				X	X
	PRC	Plastic	X			X	X		
	ArcZero	Plastic				X			

Max electrical ratings					
System	Product line	IEC		UL	
		Current	Voltage	Current	Voltage
Metric power	M12 Power	16 A	690 V AC / 63 V DC	16 A	600 V AC / 63 V DC
	S15 Power	16 / 10 A	600 V AC / 63 V DC	16 / 10 A	600 V AC / 63 V DC
Inch power	1-3/8"	30 A	600 V	30 A	600 V
	7/8"	24 A	600 V	24 A	600 V
Installation systems	IPD	20 A	690 V	20 A	600 V
	QPD	40 A	690 V	20 A	600 V
	PRC	35 A	690 V	35 A	600 V
	ArcZero	20 A	800 V	No applicable standard for this technology	

Metric power

Electronic device manufacturers, panel builders, and industrial equipment users require standardized options for power connectivity that save space, increase functionality, and enhance performance. Globally accepted metric standards for power connections have driven IEC standardization, but also yielded significantly smaller form factors for distributing power to the places it's needed most!

Traditional cables and connectors used to power devices are typically bulky with large circulars, and traditional M12 sensor connectors provide a max current of 4 amps. But now, the compact M12 form factor is ready for power applications. With the newly designed M12 power current, up to 16 amps is now achievable. Also, by sizing up slightly to 15 mm, the new S15 cordsets can provide the same high level of power with the possibility of combining signal requirements in the same connector.



M12 Power series

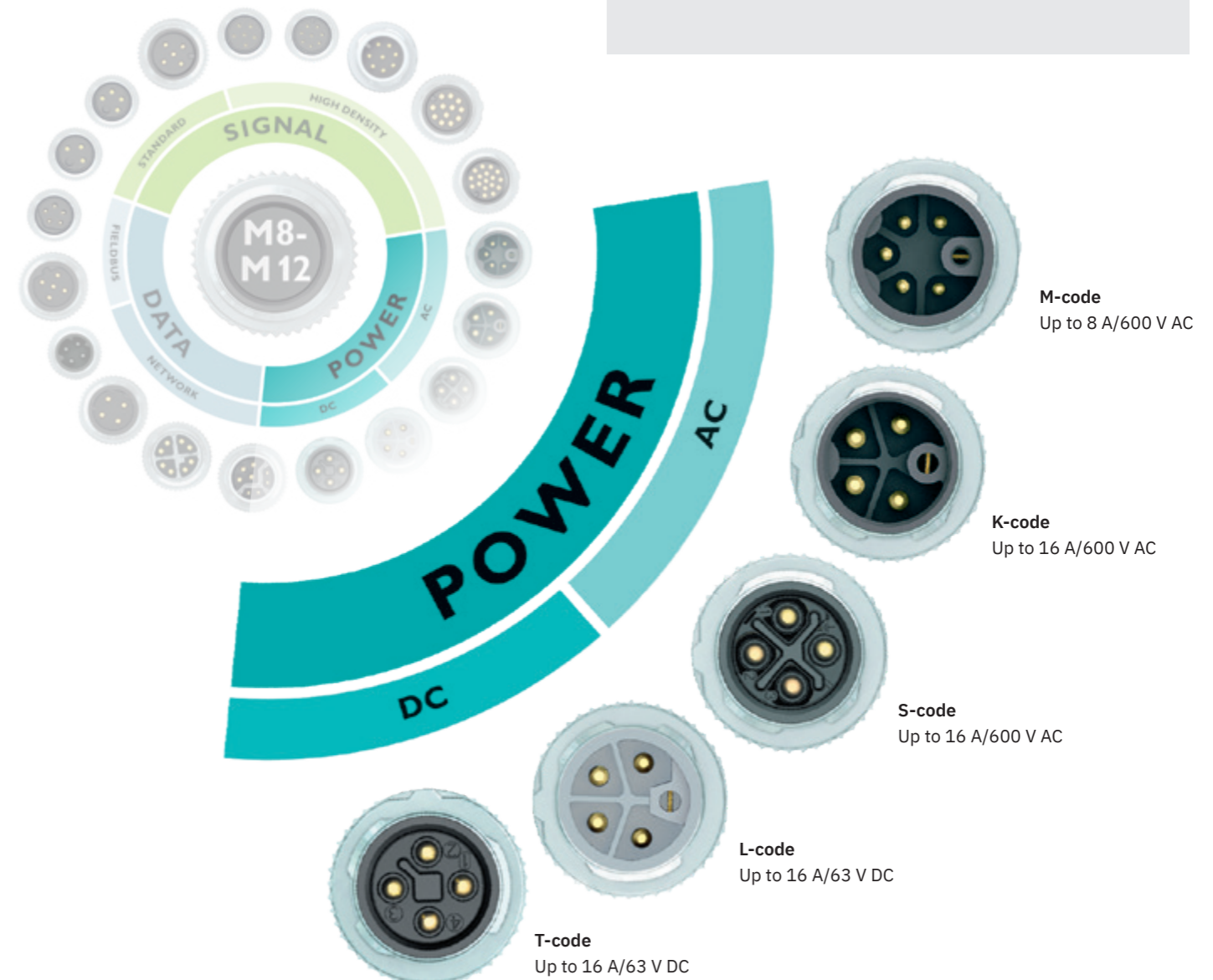
Safe power transfer, built in

With power distribution comes a heightened need for the prevention of mismatched connectors, especially with so many different types of electrical transmissions now flowing under a single form factor.

Not only does M12 Power have its own set of coding options to differentiate itself from signal and data lines, it also provides protection against swapping AC and DC voltages.

Your advantages

- ✓ IEC 61076-2-111 compliant
- ✓ UL listed, Category PVVA, file E468743
- ✓ Tested under UL2237 for power connectors
- ✓ IP65 / IP67 rated
- ✓ Cables utilize Advanced Shielding Technology



M12 Power cabling

More power in less space

Device connection technology does not just have to be powerful; it also needs to be compact and flexible. Phoenix Contact is setting new standards with the introduction of the new M12 Power design. This innovative cabling system provides maximum power in an extremely space-saving form factor. With connectors for assembly on devices, cordsets, field-wired connectors, and distribution solutions, we provide the ideal solution for any application with our expansive product range.



Easy power transmission

Choose from a range of preassembled cordsets in varying configurations and lengths.

Flexible field cabling

You can easily wire different cable lengths on-site with connectors for field assembly.

AC

Cost-effective design-in

Our M12 Power device connectors enable a consistent architecture for simple mounting.

DC

Clear power distribution

With the M12 Power distributors, you can bundle and distribute power easily and efficiently.

Your advantages

- ✓ High power transmission in DC or AC applications up to 16 A and 600 V
- ✓ Protection against mismatching with coded pin connector patterns
- ✓ Reliable EMC protection with optional 360° shielding
- ✓ PROFINET-conforming color scheme with L-coding versions
- ✓ Standardized in accordance with IEC 61076-2-111
- ✓ Approval in accordance with UL 2237

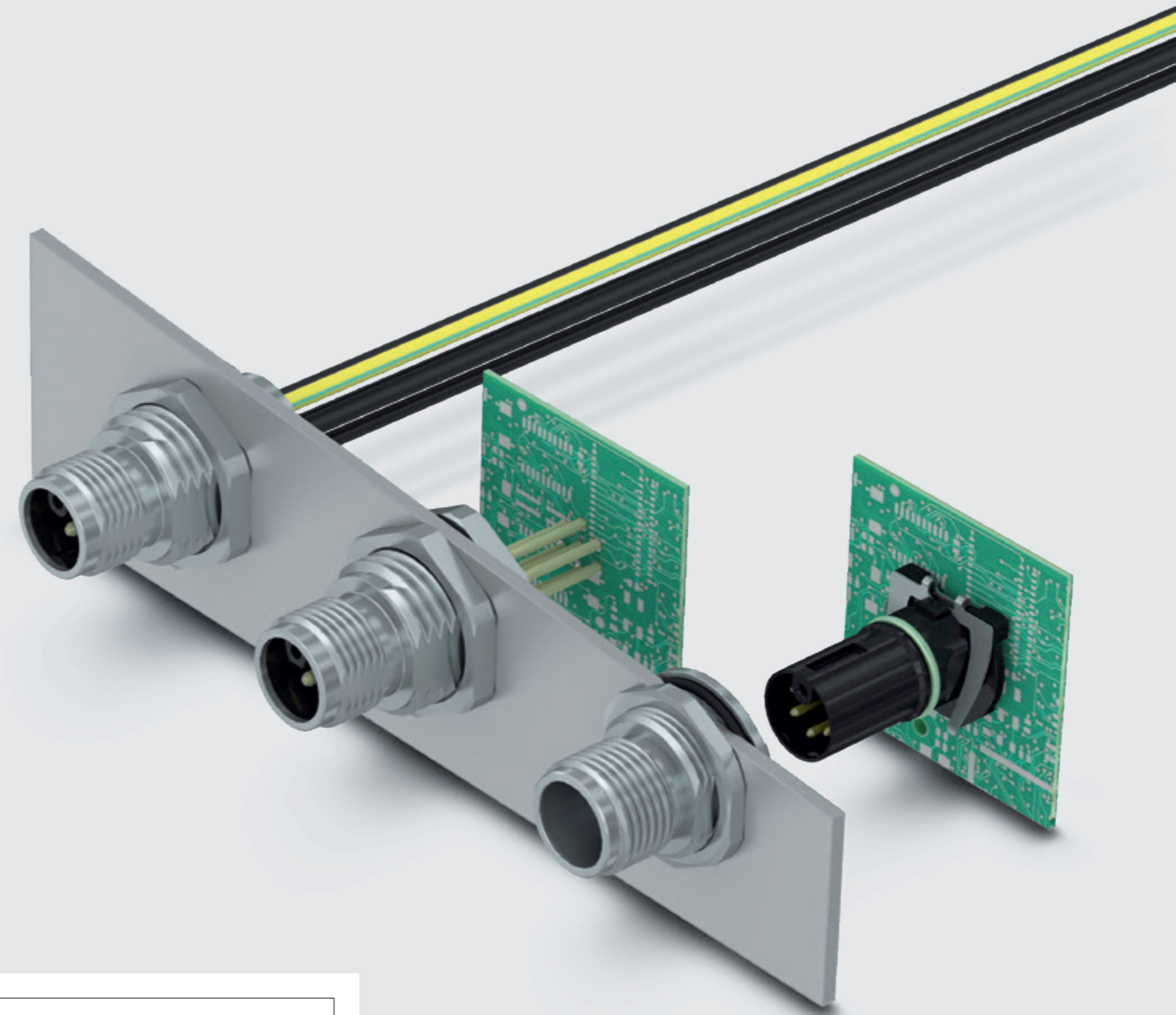
Device connector design options

Industrial devices are becoming ever more compact, and at the same time, their interfaces must take on greater functionality.

Phoenix Contact's extensive line of device connectors allows you to power your device in a multitude of styles.

Your advantages

- ✓ Front and rear panel mounting with 0.2- and 0.5-meter flying leads, with longer lead lengths now available
- ✓ One- or two-piece versions for wave, THR, and surface-mount soldering
- ✓ PROFINET-certified L-coded connectors for THR and wave soldering, as well as with flying leads
- ✓ K- and L-coded connectors with 2.5 mm² (14 AWG) flying leads



K- and L-coded connectors with 1.5 mm² (16 AWG) flying leads, with all other variants featuring 2.5 mm² (14 AWG) flying leads in 0.2- and 0.5-meter lengths



One- or two-piece versions for wave, THR, and surface-mount soldering



PROFINET-certified L-coded connectors for THR and wave soldering, as well as with flying leads

M12 Power connectors

Flexible field cabling

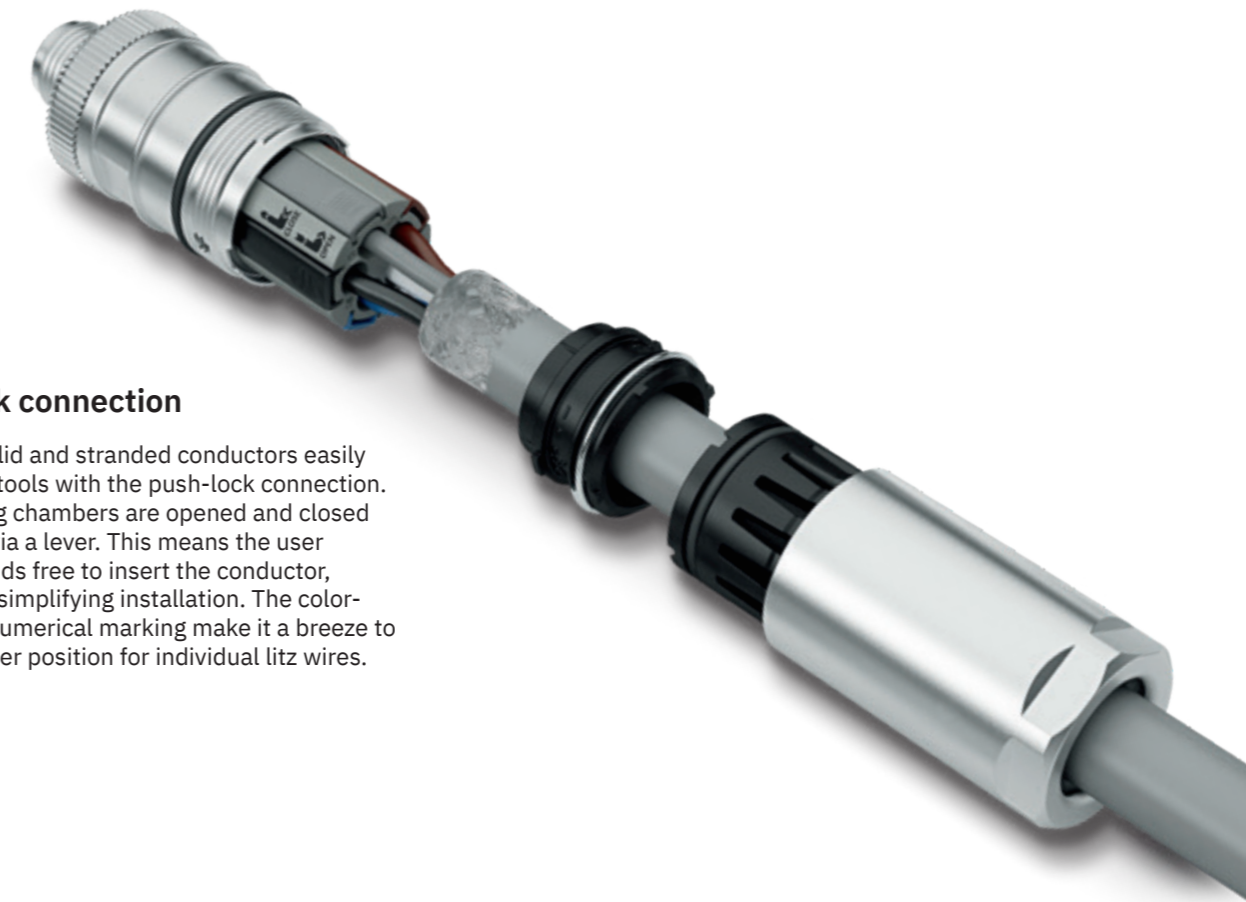
Wire different cable lengths flexibly on-site with connectors for assembly. Shielded and unshielded M12 Power connectors are available in straight and angled versions for reliable power transmission. Choose between the quick and easy push-lock connection technology, the proven screw connection, or a compact crimp connection.



Your advantages

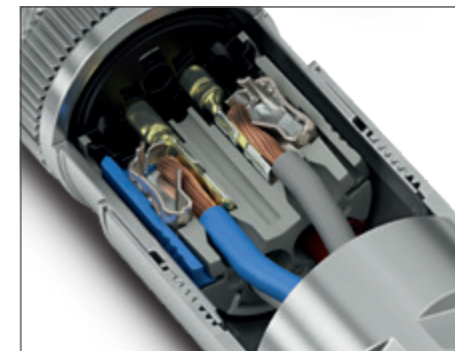
- ✔ Powerful: DC and AC applications up to 16 A and 600 V
- ✔ Protection against electric shock with PE connection to all metal components
- ✔ Reliable shield connection even under extreme mechanical strain
- ✔ Protected seal in the M12 female

Always the best connection technology



Push-lock connection

Wire both solid and stranded conductors easily and without tools with the push-lock connection. The clamping chambers are opened and closed effortlessly via a lever. This means the user has both hands free to insert the conductor, significantly simplifying installation. The color-coding and numerical marking make it a breeze to find the proper position for individual litz wires.



Push-lock connection

Push-lock technology enables fast and convenient power cabling without tools. The proven spring-force design guarantees a secure and reliable connection.



Crimp connection

Crimp connection technology enables a fast, automated connection wherever cables have to be assembled in large volumes. The extremely compact connector is suitable for numerous applications, including railway.



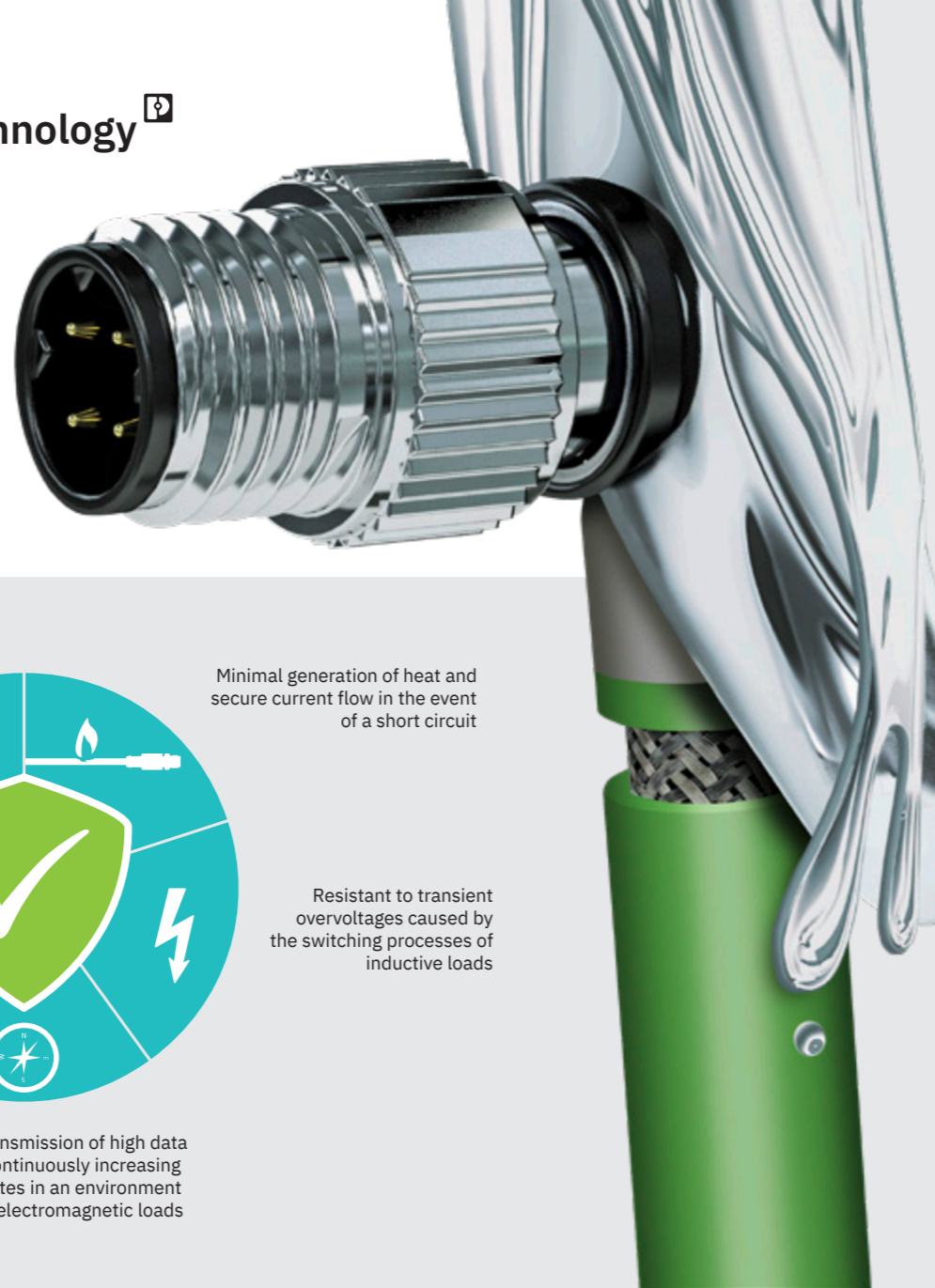
Screw connection

The screw connection is one of the classic connection technology solutions. You can assemble a variety of cables and cable qualities universally on-site.

Advanced Shielding Technology

Designed by Phoenix Contact

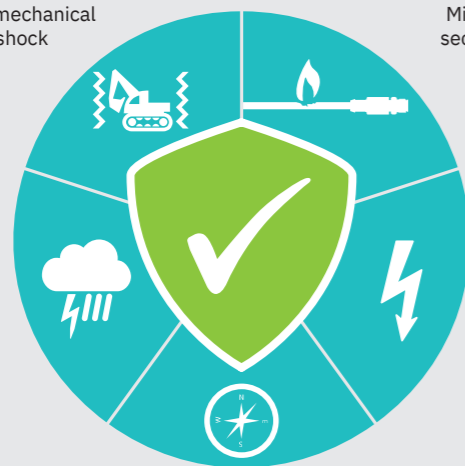
Advanced Shielding Technology from Phoenix Contact is an innovative protective concept for sensor/actuator cabling. The comprehensive, positive 360° shield connection is unique on the market and further optimizes the advanced design of M8 and M12 connectors.



Reliable at high mechanical loads, including shock and vibration

Minimal generation of heat and secure current flow in the event of a short circuit

Robust even when exposed to extreme environmental influences, such as lightning strike



Resistant to transient overvoltages caused by the switching processes of inductive loads

Future-proof transmission of high data volumes and continuously increasing transmission rates in an environment subject to high electromagnetic loads

Totally protected – even under extreme environmental influences



Liquid metal that completely encloses the cable shielding during the manufacturing process guarantees a completely protected shield connection and thus enables the reliable and interference-free transmission of data, signals, and power in future factory automation.

By opting for Advanced Shielding Technology, you are investing in future-proof cabling.

Technical specification guide

AC power						
Connector	Coding	Positions	Wire gauge	UL rated current	UL rated voltage	See page
	S*	2+PE	16 AWG	16 A	300 V AC	Pages 20-22
			14 AWG	16 A	600 V AC	
	S*	3+PE	16 AWG	12 A	600 V AC	Pages 24-27
			14 AWG	16 A	600 V AC	
	K	4+PE	14 AWG	16 A	600 V AC	Pages 28-31
	M	5+PE	16 AWG	8 A	600 V AC	Pages 32-33

DC power						
Connector	Coding	Positions	Wire gauge	UL rated current	UL rated voltage	See page
	T	4	16 AWG	12 A	63 V DC	Pages 34-37
			14 AWG	16 A	63 V DC	
	L	4	16 AWG	12 A	63 V DC	Pages 38-41
			14 AWG	16 A	63 V DC	
	L	4+FE	16 AWG	12 A	63 V DC	Pages 42-45
			14 AWG	16 A	63 V DC	









* Coding options with multiple pin counts are not designed to be intermateable.






Technical specification guide

Product	PUR cordset	PVC cordset	TC-ER PVC cordset	Device connector
Standards and regulations				
UL Certification	Listed: UL2237 File number: E468743	Listed: UL2237 File number: E468743	Listed: UL2237 File number: E468743	Listed: UL2237 (+UL50e Type 12 & 4-Indoor) File number: E468743
Standards/regulations	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111
Ambient conditions				
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)	-25 °C ... 85 °C (Plug / socket)	-25 °C ... 85 °C (Plug / socket)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP65 / IP67	IP65 / IP67	IP65 / IP67	IP65 / IP67
General				
Insulation resistance	≥ 100 MΩ	≥ 100 MΩ	≥ 100 MΩ	≥ 100 MΩ
Overvoltage category	III	III	III	III
Degree of pollution	3	3	3	3
Connection method	-	-	-	Individual wires, PCB solder
Insertion/withdrawal cycles	≥ 100	≥ 100	> 100	> 100
Material				
Flammability rating according to UL 94	V0	V0	V0	V0
Contact material	CuSn	CuSn	CuSn	CuZn
Contact surface material	Ni/Au	Ni/Au	Ni/Au	Au
Contact carrier material	PA	PA	PA	PA
Material of grip body	PA	PA	PP	-
Material, knurls	Zinc die-cast, nickel-plated	Zinc die-cast, nickel-plated	Zinc die-cast, nickel-plated	Nickel-plated alloy
Cable				
Cable type	PUR	PVC	TC-ER PVC	-
Ambient temperature (operation)	-50 °C ... 90 °C (fixed installation) -30 °C ... 90 °C (flexible installation)	-40 °C ... 80 °C (fixed installation) -20 °C ... 80 °C (flexible installation)	-40 °C (cold bend) ... 90 °C	-
External sheath color	black-gray RAL 7021 orange RAL 2003 Gray RAL 7001	Black-gray RAL 7021 Orange RAL 2003 Gray RAL 7001	Black	-
Minimum bending radius, fixed installation	5 x D	5 x D	7 X D (unshielded) 10 X D (shielded)	-
Minimum bending radius, flexible installation	10 x D	10 x D	10 X D (unshielded) 15 X D (shielded)	-
Number of bending cycles	4,000,000 (unshielded) 2,000,000 (shielded)	2,000,000 (unshielded) 1,000,000 (shielded)	2,000,000 (unshielded) 1,000,000 (shielded)	-
Conductor material	Cu	Cu	Cu	Cu
Flame resistance	According to UL 758/1581 (Cable Flame)	According to UL 758/1581 (Cable Flame)	FT4	In accordance to UL 1581 VW1
	According to UL 758/1581 FT1	According to UL 758/1581 FT1		
	According to DIN EN 60332-1-2	According to DIN EN 60332-1-2		
Halogen-free	Yes	No	No	Yes
Resistance to oil	According to DIN EN 60811-404, 168 h at 100 °C	According to DIN EN 60811-404, 168 h at 60 °C	Oil Res II	-
Other resistance	Hydrolysis and microbe-resistant as per VDE 0282 section 10	-	Sunlight-resistant Direct burial Water-resistant (70 °C wet)	-
	Low adhesion			
	Abrasion-resistant			
	Resistant to salt water			
Environmental product compliance				
REACH SVHC	Lead 7439-92-1			
China RoHS	Environmentally Friendly Use Period = 50			
	For details about hazardous substances, go to Tab: "Downloads", Category: "Manufacturer's declaration" on the individual product web page.			


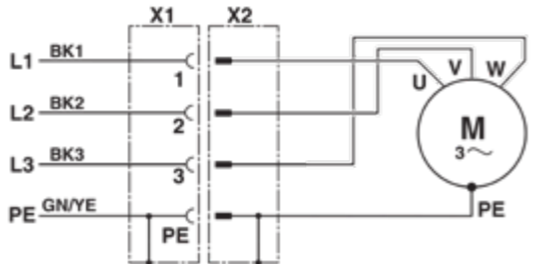

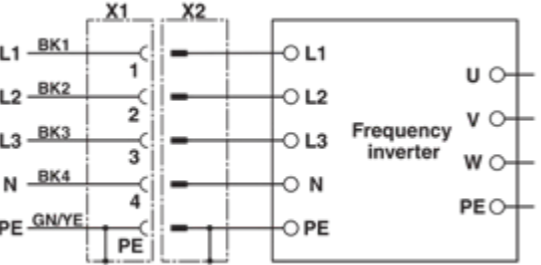

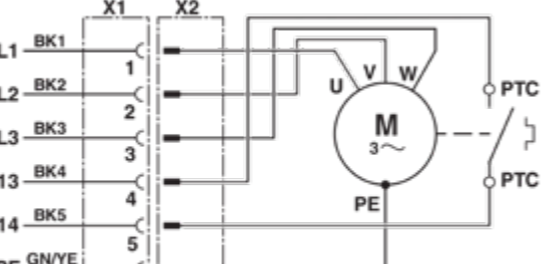
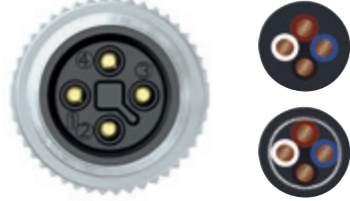
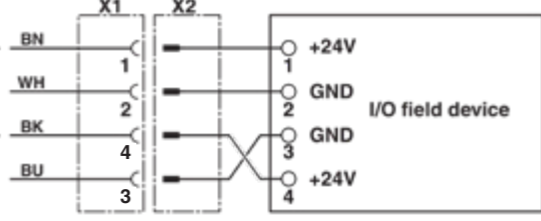

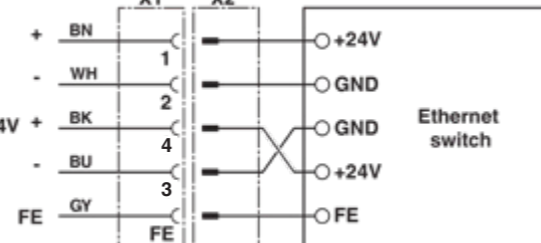
M12 Power – AC power pinout and color chart

Connector		Series	Pos. 1	Pos. 2	Pos. 3	Pos. 4	Pos. 5	PE
		Unshielded	Black (1)		Black (2)			Green/ Yellow
		TC-ER Unshielded	Black		White			Green/ Yellow
		Unshielded	Black (1)	Black (2)	Black (3)			Green/ Yellow
		TC-ER Unshielded	Black	White	Red			Green/ Yellow
		Shielded with AST	Black (1)	Black (2)	Black (3)			Green/ Yellow
		TC-ER Shielded with AST	Black	White	Red			Green/ Yellow
		Unshielded	Black (1)	Black (2)	Black (3)	Black (4)		Green/ Yellow
		TC-ER Unshielded	Black	White	Red	Blue		Green/ Yellow
		Shielded with AST	Black (1)	Black (2)	Black (3)	Black (4)		Green/ Yellow
		TC-ER Shielded with AST	Black	White	Red	Blue		Green/ Yellow
		Unshielded	Black (1)	Black (2)	Black (3)	Black (4)	Black (5)	
		Shielded with AST	Black (1)	Black (2)	Black (3)	Black (4)	Black (5)	Green/ Yellow

M12 Power - DC power pinout and color chart

Connector		Series	Pos. 1	Pos. 2	Pos. 3	Pos. 4	FE
		Unshielded	Brown	White	Blue	Black	
		Braided shield with AST	Brown	White	Blue	Black	
		Unshielded	Brown	White	Blue	Black	
		Unshielded	Brown	White	Blue	Black	Pink
		Unshielded	Brown	White	Blue	Black	Pink
		Braided shield with AST	Brown	White	Blue	Black	Pink

Wiring guide

	Coding	Example application wiring diagram
S-code		
K-code		
M-code		
T-code		
L-code		

Note: Cables with multiple black wires are continuously marked with the appropriate number. (i.e., BK1 is continuously marked "1" in white print, BK2 with "2", etc.)

Power distribution for industrial machinery

The National Fire Protection Agency (NFPA) is responsible for NFPA 70, National Electric Code (NEC) and NFPA 79. Both standards are applied for the safe electrical design of industrial equipment.

As part of NFPA 79, overmolded cordsets can be used as a part of the installation, replacing traditional junction boxes and conduit. As a part of the NFPA 79 code, cordsets that are ER, or Exposed Run-rated, can now be used as well. This ER rating means the cables pass additional crush and impact testing and are a suitable replacement for conduit.

That ER rating enables quicker and easier deployment of power distribution networks beholden to the NEC Tap rule. That rule requires overcurrent, ground fault, and short-circuit protection to be implemented at the beginning of the circuit, leading to the trunk line exiting the cabinet. Then, depending on the distance of the devices from the trunk line, there are different rules.

For the 3m (10') rule, feeder taps of up to 3m need to utilize conductors that are rated for no less than 1/10 of the trunk line. For example, a 40A trunk must have feeder taps that are at least rated for 4A each. This works well with several of the TC-ER rated 7/8" and M12 sensor/power cables.

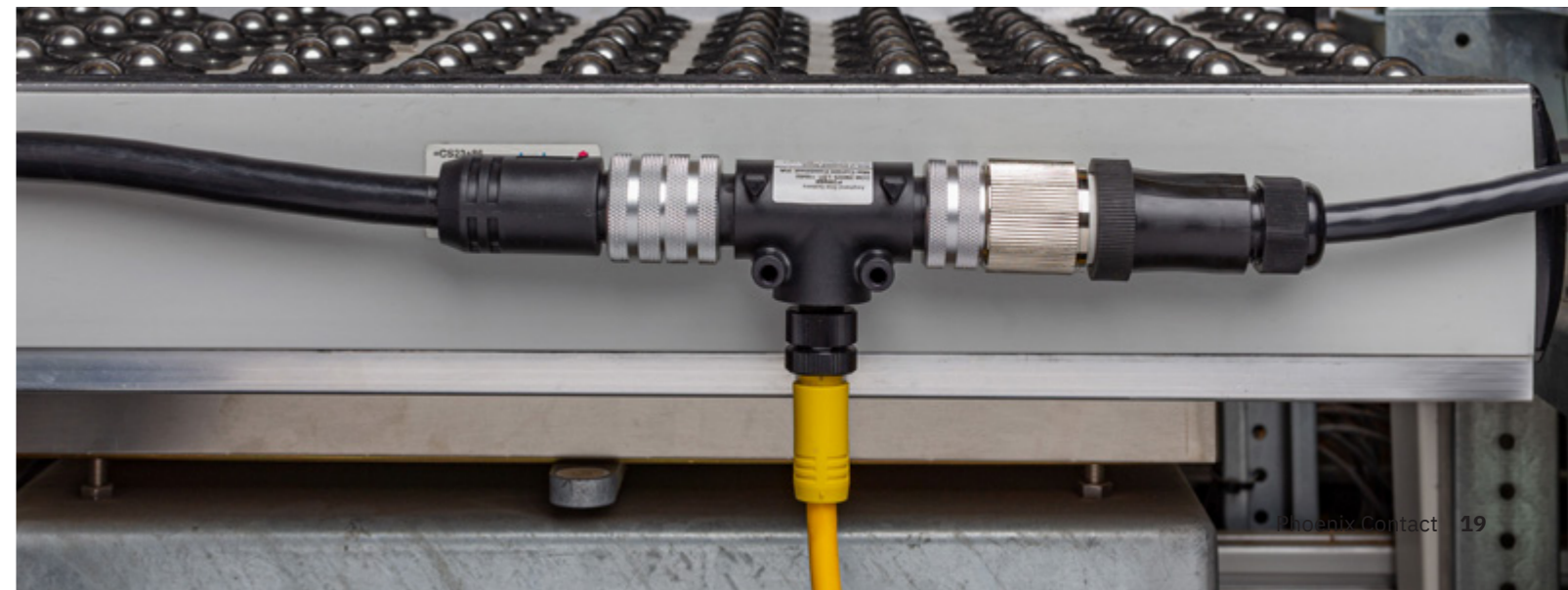
However, for devices mounted farther from the trunk, there is the 7.5m (25') rule. Here, feeder taps of 3m to 7.5m in length need to utilize conductors that are rated for no less than 1/3 of the trunk line. For example, a 30A trunk must have feeder taps that are at least rated for 10A each. This is where the use of sensor cables would drop off, and 7/8" and M12 Power TC-ER cables would fit well.

The feeder tap lines must be run in a raceway of some sort, or the cables need to be TC-ER (tray cable-exposed run) rated. While TC-ER cable still needs to be secured every 2m (6'), there is a significant time and cost savings associated with being able to eliminate the need for additional raceway installations.

Phoenix Contact's new line of TC-ER M12 power cordsets meets the need for providing a factory-molded, exposed run-rated cordset for just these types of applications.

M12 Power also forms the core of our new Power Distribution program, which allows for trunk and drop systems to power devices using an M12 connector. A larger trunk line can now be stepped down in AWG to M12 power cordsets. M12 power to the device can be run through a TC-ER cable up to 6 ft. without the use of additional supports or conduit.

With the additional flexibility for molded cordsets for power distribution, you can save time, simplify the installation, and allow for easy plug-and-play replacement in the field.



S-Code, 2+PE for AC power



Cordsets - U.S. production / Speedy Transaction																
Configuration			Shielded	Cable	Wire	Standard articles								CMAT		
Connector #1	Connector #2	0.5 m				1.0 m	1.5 m	2.0 m	2.5 m	3.0 m	5.0 m	10.0 m	Cable code	Base article		
	Open End	Socket Straight	No	Black TC-ER PVC	14 AWG	-	-	-	-	-	-	1291425	-	U60	1290804/.../...	
	Open End	Socket 90°				-	-	-	-	-	-	-	1291421		-	1290810/.../...
	Pin Straight	Open End				-	-	-	-	-	-	-	1291427		-	1290796/.../...
	Pin 90°	Open End				-	-	-	-	-	-	-	1291423		-	1290808/.../...
	Pin Straight	Socket Straight				1291419	1291418	1291417	1291416	1291415	1291414	1291413	1291412		-	1290812/.../...
	Pin 90°	Socket 90°				-	1291410	-	1291409	-	1291408	-	-		-	1290813/.../...

Device connectors - U.S. production / Speedy Transaction							
Configuration	Mounting	Termination	0.5 m	1.0 m	2.0 m	Note	
	Pin, black insert, XL	16mm front-mount thread	14 AWG flying leads	1322567	1329910	1329912	Hex nut 1504097 sold separately
	Socket, black insert, XL	16mm front-mount thread	14 AWG flying leads	1329908	1329911	1329913	



Fast delivery with our U.S. factory-built catalog products

These items are built and shipped within 15 days from our manufacturing and logistics center in Harrisburg, Pennsylvania.

S-Code, 2+PE for AC power

Cordsets - Global production												
Configuration			Shielded	Cable	Wire	Standard articles				CMAT		
Connector #1	Connector #2	1.0 m				2.0 m	5.0 m	10.0 m	Cable code	Base article		
	Open End	Socket Straight	No	Black PUR	16 AWG	-	-	-	-	PUR	1276645/.../...	
						1411644	1411645	1411646	1411647	PVC		
	Open End	Socket 90°				Black PUR	-	-	-	-	PUR	1276644/.../...
						Black PVC	1411648	1411649	1411650	1411651	PVC	
	Pin Straight	Open End				Black PUR	-	-	-	-	PUR	1276647/.../...
						Black PVC	1411636	1411637	1411638	1411639	PVC	
	Pin 90°	Open End				Black PUR	-	-	-	-	PUR	1276646/.../...
						Black PVC	1411640	1411641	1411642	1411643	PVC	
	Pin Straight	Socket Straight				Black PUR	-	-	-	-	PUR	1276643/.../...
						Black PVC	-	-	-	1014534	PVC	
	Pin Straight	Socket 90°				Black PUR	-	-	-	-	PUR	1276642/.../...
						Black PVC	-	-	-	-	PVC	
	Pin 90°	Socket Straight	Black PUR	-	-	-	-	PUR	1276641/.../...			
			Black PVC	-	-	-	-	PVC				
	Pin 90°	Socket 90°	Black PUR	-	-	-	-	PUR	1276640/.../...			
			Black PVC	-	-	-	-	PVC				

Device connectors - Global production								
Configuration	Mounting	Termination	0.5 m	1.0 m	1.5 m	2.5 m	3.0 m	Note
	Pin, black insert, standard	16mm front-mount thread	16 AWG flying leads	1411655	-	1068167	-	Hex nut 1504097 sold separately
		16mm rear-mount thread	16 AWG flying leads	1411653	1162589	1162590	1051347	
	Socket, black insert, standard	16mm front-mount thread	16 AWG flying leads	1411654	-	-	1056209	Hex nut 1504097 sold separately
		16mm rear-mount thread	16 AWG flying leads	1411652	1162597	1162598	-	

S-Code, 3+PE for AC power



Cordsets - U.S. production / Speedy Transaction																
Configuration			Shielded	Cable	Wire	Standard articles								CMAT		
Connector #1	Connector #2	0.5 m				1.0 m	1.5 m	2.0 m	2.5 m	3.0 m	5.0 m	10.0 m	Cable code	Base article		
	Open End	Socket Straight	No	Black TC-ER PVC	14 AWG	-	-	-	-	-	-	1291404	-	U60	1292074/.../...	
			Yes			-	-	-	-	-	-	1291383	-		1292086/.../...	
	Open End	Socket 90°	No			-	-	-	-	-	-	-	1291400		-	1292077/.../...
			Yes			-	-	-	-	-	-	-	1291379		-	1292089/.../...
	Pin Straight	Open End	No			-	-	-	-	-	-	-	1291406		-	1292073/.../...
			Yes			-	-	-	-	-	-	-	1291385		-	1292085/.../...
	Pin 90°	Open End	No			-	-	-	-	-	-	-	1291402		-	1292075/.../...
			Yes			-	-	-	-	-	-	-	1291381		-	1292087/.../...
	Pin Straight	Socket Straight	No			1291398	1291397	1291396	1291395	1291394	1291393	1291392	1291391		1292079/.../...	
			Yes			-	-	-	1291377	-	-	1291376	1291375		1292090/.../...	
	Pin 90°	Socket 90°	No			-	1291389	-	1291388	-	1291387	-	-		1292081/.../...	
			Yes			-	-	-	-	-	-	-	-		1292092/.../...	

Device connectors - U.S. production / Speedy Transaction						
Configuration	Mounting	Leads	0.5 m	1.0 m	2.0 m	Note
	16mm front-mount thread	14 AWG flying leads	1329914	1329918	1329920	Hex nut 1504097 sold separately
	16mm front-mount thread	14 AWG flying leads	1329917	1329919	1329923	



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S-Code, 3+PE for AC power

Cordsets - Global production															
Configuration			Shielded	Cable	Wire	Standard articles								CMAT	
Connector #1	Connector #2	0.5 m				1.0 m	1.5 m	2.0 m	2.5 m	3.0 m	5.0 m	10.0 m	Cable code	Base article	
	Open End	Socket Straight	No	Black PUR	16 AWG	-	1408843	-	1408844	-	-	1408845	1408846	PUR	1276637/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Open End	Socket 90°	Yes	Orange PUR	16 AWG	-	-	1424096	-	-	1424097	1424098	1424099	PUR	1276629/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Open End	Socket 90°	No	Black PUR	16 AWG	-	1408848	-	1408852	-	-	1408853	1408854	PUR	1276635/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Open End	Socket 90°	Yes	Orange PUR	16 AWG	-	-	1424100	-	-	1424101	1424102	1424103	PUR	1276628/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin Straight	Open End	No	Black PUR	16 AWG	-	1408835	-	1408836	-	-	1408837	1408838	PUR	1276639/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin Straight	Open End	Yes	Orange PUR	16 AWG	-	-	1424104	-	-	1424105	1424245	1424107	PUR	1276631/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin 90°	Open End	No	Black PUR	16 AWG	-	1408839	-	1408840	-	-	1408841	1408842	PUR	1276638/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin 90°	Open End	Yes	Orange PUR	16 AWG	-	-	1424108	-	-	1424109	1424110	1424111	PUR	1276630/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin Straight	Socket Straight	No	Black PUR	16 AWG	-	-	-	-	-	1417581	-	-	PUR	1276636/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin Straight	Socket Straight	Yes	Orange PUR	16 AWG	-	-	-	-	-	1423650	-	1423664	PUR	1276627/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin Straight	Socket 90°	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	PUR	1276634/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin Straight	Socket 90°	Yes	Orange PUR	16 AWG	-	-	-	-	-	-	-	-	PUR	1276626/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin 90°	Socket Straight	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	PUR	1276633/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin 90°	Socket Straight	Yes	Orange PUR	16 AWG	-	-	-	-	-	-	-	-	PUR	1276625/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin 90°	Socket 90°	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	PUR	1276632/.../...
			14 AWG		-	-	-	-	-	-	-	125			
	Pin 90°	Socket 90°	Yes	Orange PUR	16 AWG	-	-	-	-	-	-	-	-	PUR	1276624/.../...
			14 AWG		-	-	-	-	-	-	-	125			

S-Code, 3+PE for AC power

Device connectors - Global production							
Configuration	Mounting	Leads	PCB	0.5 m	1.0 m	1.5 m	Note
	Pin, black insert, XL	16mm front-mount thread	-	1411607	-	-	Hex nut 1504097 sold separately
		16mm rear-mount thread	-	1411603	1108623	1162623	
	Pin, black insert, standard	16mm front-mount thread	-	1424139	1037070	-	Hex nut 1504097 sold separately
		16mm rear-mount thread	-	1424132	-	-	
		25mm front-mount thread	-	1424129	1162569	1162571	Flange 1424131 sold separately
		16mm rear-mount thread	-	-	-	-	
	Pin, black insert	Tape and reel	1418343	-	-	-	See Device Connector Housings table for applicable housings
		Tray/blister pack	1406410	-	-	-	
	Socket, black insert, XL	16mm front-mount thread	-	1411605	1036790	-	Hex nut 1504097 sold separately
		16mm rear-mount thread	-	1411598	1162635	1162636	
	Socket, black insert, standard	16mm front-mount thread	-	1424137	-	-	Hex nut 1504097 sold separately
		16mm rear-mount thread	-	1424133	1178143	-	
	Socket, black insert	Tape and reel	1418344	-	-	-	See Device Connector Housings table for applicable housings
		Tray/blister pack	1406409	-	-	-	

Device connector housings				
		Through-hole		
		Solder type	Orientation	
		Pin	Front mounting	
			Socket	
Front mounting	M12 x 1	SPEEDCON	1551493	1552243
	M12 x 1	Standard	1416145	1416144
	M14 x 1	SPEEDCON	1436709	1432460
	M14 x 1	Standard	1417984	1417989
	Press-in	Standard	1437892	1437889
Rear mounting	M14 x 1	Standard	-	-
	M15 x 1	SPEEDCON	1413999	1414020
	M15 x 1	Standard	1413997	1414004

S-Code, 3+PE for AC power

Field-wired connectors													
Configuration	Termination	Cable OD	Wire mm2		Wire AWG		Shielded	Item no.	Power contacts		PE contacts		
			No ferrule	With ferrule	No ferrule	With ferrule			14 AWG		14 AWG		
			1.5 mm2	2.5 mm2	1.5 mm2	2.5 mm2			1.5 mm2	2.5 mm2			
	Socket Straight	Push-Lock	6-11mm	1.5 - 2.5	0.75 - 2.5	16	18 - 14	Yes	1080222	-	-	-	-
	Pin Straight								1080220	-	-	-	-
	Socket Straight	Crimp	6.5-11mm	1.5 - 2.5	-	14	-	Yes	1027469	1029395	1029390	1029400	1029391
	Pin Straight								1027467	1029394	1029388	1029398	1029389
	Socket Straight	Screw	0.165 in	0.75 - 2.5	0.75 - 1.5	-	18 - 16	No	1107269	-	-	-	-
	Socket 90°		8-10mm						1404642	-	-	-	-
	Socket 90°		6-8mm						1107272	-	-	-	-
	Pin Straight		8-10mm						1408987	-	-	-	-
	Pin Straight		6-8mm						1107268	-	-	-	-
	Pin 90°		8-10mm						1404641	-	-	-	-
	Pin 90°		6-8mm						1107271	-	-	-	-
	Pin 90°		8-10mm						1408985	-	-	-	-

Y and H distributors			
Configuration	Item no.		
<p>Y-Distributor</p>	1080243		
<p>H-Distributor</p>	1080242		

Accessories		
Description	Material	Item no.
Sealing cap for Male connectors	Plastic	1560251
Sealing cap for Male connectors	Metal	1430488
Screw plug for Female connectors	Plastic	1680539
M12 Power locking clip	Plastic	1292631

K-Code, 4+PE for AC power



Cordsets - U.S. production / Speedy Transaction										
Configuration		Shielded	Cable	Wire	Standard articles			CMAT		
Connector #1	Connector #2				2.0 m	5.0 m	10.0 m	Cable code	Base article	
	Open End	Socket Straight	No	Black TC-ER PVC	14 AWG	-	1291370	-	U60	1292098/.../...
			Yes			-	1291356	-		1292105/.../...
	Open End	Socket 90°	No			-	1291366	-		1292100/.../...
			Yes			-	1291352	-		1292110/.../...
	Pin Straight	Open End	No			-	1291372	-		1292096/.../...
			Yes			-	1291359	-		1292104/.../...
	Pin 90°	Open End	No			-	1291368	-		1292099/.../...
			Yes			-	1291354	-		1292106/.../...
	Pin Straight	Socket Straight	No			1291364	1291363	1291362		1292101/.../...
			Yes			1291350	1291349	1291348		1292111/.../...
	Pin 90°	Socket 90°	No			-	-	-		1292102/.../...
			Yes			-	-	-		1292112/.../...

Device connectors - U.S. production / Speedy Transaction							
Configuration	Mounting	Leads	0.5 m	1.0 m	2.0 m	Note	
	Pin, black insert, XL	16mm front-mount thread	14 AWG flying leads	1329938	1329940	1329943	Hex nut 1504097 sold separately
	Socket, black insert, XL	16mm front-mount thread	14 AWG flying leads	1329939	1329942	1329944	



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K-Code, 4+PE for AC power



Cordsets - Global production											
Configuration		Shielded	Cable	Wire	Standard articles				CMAT		
Connector #1	Connector #2				1.5 m	3.0 m	5.0 m	10.0 m	Cable code	Base article	
	Open End	Socket Straight	No	14 AWG	Black PUR	1414770	1414788	1414804	1414821	PUR	1276603/.../...
						Black PVC	1414780	1414796	1414812	1414829	
	Open End	Socket 90°	Yes		Orange PUR	1414771	1414789	1414805	1414822	PUR	1276595/.../...
							Open End	Socket 90°	No	Black PUR	1414766
Black PVC	1414774	1414792	1414808		1414825					PVC	
	Pin Straight	Open End	Yes		Orange PUR	1414767	1414785	1414801	1414818	PUR	1276593/.../...
							Open End	No	Black PUR	1414866	1414870
Black PVC	1414868	1414872	1414877		1414881				PVC		
	Pin 90°	Open End	No		Black PUR	1414833	1414837	1414841	1414846	PUR	1276604/.../...
						Black PVC	1414835	1414839	1414843	1414848	
	Pin 90°	Open End	Yes		Orange PUR	1414834	1414838	1414842	1414847	PUR	1276596/.../...
							Socket Straight	No	Black PUR	-	-
Black PVC	-	-	-	-	PVC						
	Pin Straight	Socket 90°	Yes	Orange PUR	-	-	-	-	PUR	1276592/.../...	
						Socket 90°	No	Black PUR	-	-	-
Black PVC	-	-	-	-				PVC			
	Pin 90°	Socket Straight	Yes	Orange PUR	-	-	-	-	PUR	1276591/.../...	
						Socket Straight	No	Black PUR	-	-	-
Black PVC	-	-	-	-				PVC			
	Pin 90°	Socket 90°	Yes	Orange PUR	-	-	-	-	PUR	1276590/.../...	
						Socket 90°	No	Black PUR	-	-	-
Black PVC	-	-	-	-				PVC			
	Pin 90°	Socket 90°	Yes	Orange PUR	-	-	-	-	PUR	1276589/.../...	


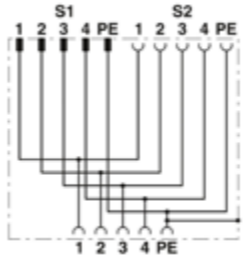

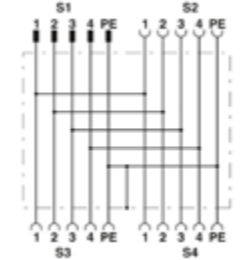
K-Code, 4+PE for AC power





Device connectors - Global production								
Configuration	Mounting	Leads	PCB	0.2 m	0.5 m	1.0 m	1.5 m	Note
	Pin, black insert, XL	16mm front-mount thread	14 AWG flying leads	-	1415291	-	-	Hex nut 1504097 sold separately
		16mm rear-mount thread	16 AWG flying leads	-	1425635	-	-	
	16mm rear-mount thread	14 AWG flying leads	-	1415293	1097959	1162234	1162243	
		16 AWG flying leads	-	1425637	-	-	-	
	Pin, black insert	Tape and reel	Through-hole	1420830	-	-	-	See Device Connector Housings table for applicable housings
	Tray/blister pack	Through-hole	1420819	-	-	-	-	
	Socket, black insert, XL	16mm front-mount thread	14 AWG flying leads	-	1415292	-	-	Hex nut 1504097 sold separately
		16mm rear-mount thread	16 AWG flying leads	-	1425636	-	-	
	16mm rear-mount thread	14 AWG flying leads	-	1415294	1162464	1162474	1162476	
		16 AWG flying leads	-	1425638	-	1178140	-	
	Socket, black insert	Tape and reel	Through-hole	1420831	-	-	-	See Device Connector Housings table for applicable housings
	Tray/blister pack	Through-hole	1420821	-	-	-	-	

Device connector housings				
	Solder type	Through-hole		
	Orientation	Pin	Socket	Hex nut
Front Mounting	M14 x 1	1420824	1420825	1412077
Rear Mounting	M14 x 1	1420826	1420827	-

K-Code, 4+PE for AC power

Field-wired connectors													
Configuration	Termination	Cable OD	Wire mm2		Wire AWG		Shielded	Item no.	Power contacts		PE contacts		
			No ferrule	With ferrule	No ferrule	With ferrule			14 AWG		14 AWG		
			1.5 mm2	2.5 mm2	1.5 mm2	2.5 mm2			1.5 mm2	2.5 mm2			
	Socket Straight	Push-Lock	8-13mm	1.5 - 2.5	0.75 - 2.5	16	18 - 14	Yes	1080228	-	-	-	-
	Pin Straight								1080231	-	-	-	-
	Socket Straight	Crimp	8-13mm	1.5 - 2.5	-	14	-	Yes	1027476	1029396	1029392	1029398	1029389
	Pin Straight								1027474	1029394	1029388	1029401	1029393

Y and H distributors		
Configuration	Item no.	
 Y-Distributor	1080247	
 H-Distributor	1080246	

Accessories		
Description	Material	Item no.
 Sealing cap for Male connectors	Plastic	1560251
 Sealing cap for Male connectors	Metal	1430488
 Screw plug for Female connectors	Plastic	1680539
 M12 Power locking clip	Plastic	1292631

M-Code, 5+PE for AC power

Cordsets											
Configuration		Shielded	Cable	Wire	Standard articles				CMAT		
Connector #1	Connector #2				1.5 m	3.0 m	5.0 m	10.0 m	Cable code	Base article	
	Open End	Socket Straight	No	Black PUR	1414901	1414910	1414918	1414926	PUR	1276553/.../...	
				Black PVC	1414905	1414914	1414922	1414930	PVC		
			Yes	Orange PUR	1414902	1414911	1414919	1414927	PUR	1276545/.../...	
				Orange PVC	1414906	1414915	1414923	1414931	PVC		
	Open End	Socket 90°	No	Black PUR	1414899	1414907	1414916	1414924	PUR	1276552/.../...	
				Black PVC	1414903	1414912	1414920	1414928	PVC		
			Yes	Orange PUR	1414900	1414908	1414917	1414925	PUR	1276544/.../...	
				Orange PVC	1414904	1414913	1414921	1414929	PVC		
	Pin Straight	Open End	No	Black PUR	1414949	1414953	1414957	1414961	PUR	1276555/.../...	
				Black PVC	1414951	1414955	1414959	1414963	PVC		
			Yes	Orange PUR	1414950	1414954	1414958	1414962	PUR	1276547/.../...	
				Orange PVC	1414952	1414956	1414960	1414964	PVC		
	Pin 90°	Open End	No	Black PUR	1414932	1414936	1414941	1414945	PUR	1276554/.../...	
				Black PVC	1414934	1414939	1414943	1414947	PVC		
			Yes	Orange PUR	1414933	1414937	1414942	1414946	PUR	1276546/.../...	
				Orange PVC	1414935	1414940	1414944	1414948	PVC		
	Pin Straight	Socket Straight	No	Black PUR	-	-	-	-	PUR	1276551/.../...	
				Black PVC	-	-	-	-	PVC		
			Yes	Orange PUR	-	-	-	-	PUR	1276541/.../...	
Yes	Orange PVC	-	-	-	-	PVC					
	Pin Straight	Socket 90°	No	Black PUR	-	-	-	-	PUR	1276550/.../...	
				Black PVC	-	-	-	-	PVC		
			Yes	Orange PUR	-	-	-	-	PUR	1276542/.../...	
				Orange PVC	-	-	-	-	PVC		
	Pin 90°	Socket, Straight	No	Black PUR	-	-	-	-	PUR	1276549/.../...	
				Black PVC	-	-	-	-	PVC		
			Yes	Orange PUR	-	-	-	-	PUR	1266798/.../...	
Orange PVC	-	-		-	-	PVC					
	Pin 90°	Socket 90°	No	Black PUR	-	-	-	-	PUR	1276548/.../...	
				Black PVC	-	-	-	-	PVC		
			Yes	Orange PUR	-	-	-	-	PUR	1265022/.../...	
				Orange PVC	-	-	-	-	PVC		









M-Code, 5+PE for AC power

Device connectors									
Configuration		Mounting	Leads	PCB	0.2 m	0.5 m	1.0 m	1.5 m	Note
	Pin, Black Insert, XL	16mm Front Mount Thread	16AWG Flying Leads	-	1415300	-	-	-	Hex nut 1504097 sold separately
		16mm Rear Mount Thread	16 AWG flying leads	-	1415302	1162502	1162503	1162505	
	Pin, Black Insert	T & R	Through-hole	1420832	-	-	-	-	See Device Connector Housings table for applicable housings.
		Tray/Blister Pack	Through-hole	1420822	-	-	-	-	
	Socket, Black Insert, XL	16mm Front Mount Thread	16 AWG flying leads	-	1415301	-	-	-	Hex nut 1504097 sold separately.
		16mm Rear Mount Thread	16 AWG flying leads	-	1415303	1162517	1162519	1162524	
	Socket, Black Insert	T & R	Through-hole	1420833	-	-	-	-	See Device Connector Housings table for applicable housings.
		Tray/Blister Pack	Through-hole	1420823	-	-	-	-	





Device connector housings				
Image	Solder type	Through-hole		
		Pin	Socket	Hex nut
	M14 x 1	1420824	1420825	1412077
	M14 x 1	1420826	1420827	

Accessories			
Image	Description	Material	Item no.
	Sealing cap for Male connectors	Plastic	1560251
	Sealing cap for Male connectors	Metal	1430488
	Screw plug for Female connectors	Plastic	1680539
	M12 Power locking clip	Plastic	1292631

T-Code, 4-pos for DC power

Cordsets															
Configuration			Shielded	Cable	Wire	Standard articles								CMAT	
Connector #1	Connector #2					0.5 m	1.0 m	1.5 m	2.0 m	3.0 m	5.0 m	10.0 m	20.0 m	Cable code	Base article
	Open End	Socket Straight	No	Black PUR	16 AWG	-	1408823	-	1408824	-	1408825	1408826	1421305	PUR	1276621/.../...
				14 AWG	-	-	-	-	-	-	-	-	125		
			Black PVC	16 AWG	-	1089970	-	1089971	-	1089972	1089973	-	110		
			Yes	Black PUR	16 AWG	-	-	1424112	-	1424113	1424114	1424115	-	PUR	
	Open End	Socket 90°	No	Black PUR	16 AWG	-	1408827	-	1408828	-	1408829	1408830	1420494	PUR	1276620/.../...
				14 AWG	-	-	-	-	-	-	-	-	125		
			Black PVC	16 AWG	-	1089977	-	1089981	-	1089984	1089987	-	110		
			Yes	Black PUR	16 AWG	-	-	1424116	-	1424117	1424118	1424128	-	PUR	
	Pin Straight	Open End	No	Black PUR	16 AWG	-	1408812	-	1408813	-	1408814	1408815	-	PUR	1276623/.../...
				14 AWG	-	-	-	-	-	-	-	-	125		
			Black PVC	16 AWG	-	1089952	-	1089953	-	1089955	1089956	-	110		
			Yes	Black PUR	16 AWG	-	-	1424120	-	1424121	1424122	1424123	-	PUR	
	Pin 90°	Open End	No	Black PUR	16 AWG	-	1408816	-	1408819	-	1408820	1408822	-	PUR	1276622/.../...
				14 AWG	-	-	-	-	-	-	-	-	125		
			Black PVC	16 AWG	-	1089958	-	1089961	-	1089965	1089968	-	110		
			Yes	Black PUR	16 AWG	-	-	1424124	-	1424125	1424126	1424127	-	PUR	
	Pin Straight	Socket Straight	No	Black PUR	16 AWG	1413210	1408808	-	1408809	-	1408810	1408811	1411366	PUR	1276619/.../...
				14 AWG	-	-	-	-	-	-	-	-	125		
			Black PVC	16 AWG	-	1089988	-	1089997	-	1089998	1089999	-	110		
			Yes	Black PUR	16 AWG	-	-	-	-	1416447	1417687	1421788	-	PUR	
	Pin Straight	Socket 90°	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	PUR	1276618/.../...
				14 AWG	-	-	-	-	-	-	-	-	125		
			Black PVC	16 AWG	-	-	-	-	-	-	-	-	110		
			Yes	Black PUR	16 AWG	-	-	-	-	-	-	-	-	PUR	
	Pin 90°	Socket Straight	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	PUR	1276616/.../...
				14 AWG	-	-	-	-	-	-	-	-	125		
			Black PVC	16 AWG	-	-	-	-	-	-	-	-	110		
			Yes	Black PUR	16 AWG	-	1103261	-	-	-	-	-	-	PUR	
	Pin 90°	Socket 90°	No	Black PUR	16 AWG	1007367	1415196	-	1415197	-	1415198	1415199	-	PUR	1276615/.../...
				14 AWG	-	-	-	-	-	-	-	-	125		
			Black PVC	16 AWG	-	-	-	-	-	-	-	-	110		
			Yes	Black PUR	16 AWG	1102085	1102081	1415202	-	1415203	1415204	1415205	-	PUR	

T-Code, 4-pos for DC power

Device connectors										
Configuration		Mounting	Leads	PCB	0.2 m	0.5 m	1.0 m	1.5 m	Note	
	Pin, black insert, XL	16mm front-mount thread	16 AWG flying leads	-	-	1411608	-	-	Hex nut 1504097 sold separately	
		16mm rear-mount thread	16 AWG flying leads	-	-	1411604	1162539	1162541		
	Pin, black insert, standard	16mm front-mount thread	16 AWG flying leads	-	-	1424140	-	-	Hex nut 1504097 sold separately	
		16mm rear-mount thread	16 AWG flying leads	-	-	1424136	1037080	1420794		
		25mm front-mount thread	16 AWG flying leads	-	-	1424130	1162530	1162531	Flange 1424131 sold separately	
	Pin, black insert, shielded	Tape and reel	Through-hole	1418341	-	-	-	-	See Device Connector Housings table for applicable housings	
		Tray/blister pack	Through-hole	1406397	-	-	-	-		
	Pin, black insert	Tape and reel	Surface-mount	1411989	-	-	-	-		
		Tray/blister pack	Surface-mount	1411931	-	-	-	-		
	Pin, black insert	Tape and reel	Through-hole	1418339	-	-	-	-		
		Tray/blister pack	Through-hole	1406396	-	-	-	-		
	Socket, black insert, XL	16mm front-mount thread	16 AWG flying leads	-	-	1411606	-	-		
		16mm rear-mount thread	16 AWG flying leads	-	1426488	1411599	1162552	1162554		
	Socket, black insert, XL	16mm front-mount thread	16 AWG flying leads	-	-	1424138	-	-		Hex nut 1504097 sold separately
		16mm rear-mount thread	16 AWG flying leads	-	-	1424134	-	1420501		
	Socket, black insert, standard	Tape and reel	Surface-mount	1412019	-	-	-	-		
		Tray/blister pack	Surface-mount	1411967	-	-	-	-		
		Tape and reel	Through-hole	1418342	-	-	-	-		
		Tray/blister pack	Through-hole	1406412	-	-	-	-		
	Socket, black insert	Tape and reel	Surface-mount	1411981	-	-	-	-	See Device Connector Housings table for applicable housings	
		Tray/blister pack	Surface-mount	1411918	-	-	-	-		
		Tape and reel	Through-hole	1418340	-	-	-	-		
		Tray/blister pack	Through-hole	1406411	-	-	-	-		

T-Code, 4-pos for DC power

Device connector housings									
Solder type		Through-hole			Surface mount				
Orientation		Pin	Socket	Pin	Socket	Tolerance-compensating housings		Socket	
Front mounting	M12 x 1	SPEEDCON	1551493	1552243	-	-	For Housing Panel Thickness 0.9...1.6 mm		1419569
	M12 x 1	Standard	1416145	1416144	-	-	For Housing Panel Thickness 1.6...2.3 mm		1419570
	M14 x 1	SPEEDCON	1436709	1432460	-	-	For Housing Panel Thickness 2.3...3.0 mm		1419571
	M14 x 1	Standard	1417984	1417989	1412078	1412079	Black Fixing Sleeve		1419568
	Press-In	Standard	1437892	1437889	1412080	1412081	Water Blue Fixing Sleeve		1419565
Rear mounting	M14 x 1	Standard	-	-	-	-	Green Fixing Sleeve		1419566
	M15 x 1	SPEEDCON	1413999	1414020	1414002	1414023	Violet Fixing Sleeve		1419567
	M15 x 1	Standard	1413997	1414004	1414000	1414021			

T-Code: 4-pos													
Configuration	Termination	Cable OD	Wire mm2		Wire AWG		Shielded	Item no.	Power contacts		PE contacts		
			No ferrule	With ferrule	No ferrule	With ferrule			14 AWG		14 AWG		
									1.5 mm2	2.5 mm2	1.5 mm2	2.5 mm2	
	Socket Straight	Push-lock	6-11mm	1.5 - 2.5	0.75 - 2.5	16	18 - 14	No	1646348	-	-	-	-
	Pin Straight								1646347	-	-	-	-
	Socket Straight	Push-lock	6-11mm	1.5 - 2.5	0.75 - 2.5	16	18 - 14	No	1151366	-	-	-	-
	Pin Straight								1151362	-	-	-	-
	Socket Straight	Push-lock	6-11mm	1.5 - 2.5	0.75 - 2.5	16	18 - 14	Yes	1080218	-	-	-	-
	Pin Straight								1080215	-	-	-	-
	Socket Straight	Crimp	6.5-11mm	1.5 - 2.5	-	14	-	Yes	1027466	1029395	1029390	1029400	1029391
	Pin Straight								1027465	1029394	1029388	1029398	1029389
	Socket Straight	Screw	8-10mm	0.75 - 2.5	0.75 - 1.5	-	18 - 16	No	1404644	-	-	-	-
	Socket 90°								1408989	-	-	-	-
	Pin Straight								1404643	-	-	-	-
	Pin 90°								1408988	-	-	-	-

T-Code, 4-pos for DC power

Y and H distributors				
Configuration	Positions	Coding	Item no.	
Y-Distributor		4	T-code	1410632
Y-Distributor				1080245
Y-Distributor				1080244

Power distribution boxes			
Configuration			Item no.
	Power distribution boxes - T-code, 4-pos, including LED status displays, number of slots: 4, single throw, master cable connection – HEAVYCON Compact	With M12 A-coded diagnostics port	1411048
		Without diagnostics port	1413929

Accessories			
Description	Material	Item no.	
	Plastic	1560251	
	Metal	1430488	
	Plastic	1680539	
	Plastic	1292631	

L-Code, 4-pos for DC power



Cordsets - U.S. production / Speedy Transaction																				
Configuration		Shielded	Cable	Wire	0.3 m	0.5 m	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m	5.0 m	10.0 m	20.0 m	40.0 m	CMAT				
Connector #1	Connector #2															Cable code	Base article			
	Open End	Socket Straight	No	Black TC-ER PVC	14 AWG	-	-	-	-	-	-	-	1291312	-	-	-	U60	1292197/.../...		
	Open End	Socket 90°				-	-	-	-	-	-	-	-	-	1291308	-	-	-	1292199/.../...	
	Pin Straight	Open End				-	-	-	-	-	-	-	-	-	1291315	-	-	-	1292196/.../...	
	Pin 90°	Open End				-	-	-	-	-	-	-	-	-	1291310	-	-	-	1292198/.../...	
	Pin Straight	Socket Straight				-	1291306	1291305	1291304	1291303	1291302	1291301	1291300	1291299	1291298	1291297	-	-	-	1292200/.../...
	Pin 90°	Socket 90°				1291295	-	1291294	-	1291293	-	1291292	-	-	-	-	-	-	1292203/.../...	
	Pin 90°	Socket 90°				-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Device connectors - U.S. production / Speedy Transaction						
Configuration	Mounting	Leads	0.5 m	1.0 m	2.0 m	Note
	Pin, black insert, XL	16mm front-mount thread	14 AWG flying leads	1329925	1329927	1329929
	Socket, black insert, XL	16mm front-mount thread	14 AWG flying leads	1329926	1329928	1329930
						Hex nut 1504097 sold separately

L-Code, 4-pos for DC power

Cordsets - Global production														
Configuration		Shielded	Cable	Wire	0.3 m	0.6 m	1.5 m	3.0 m	5.0 m	10.0 m	CMAT			
Connector #1	Connector #2										Cable code	Base article		
	Open End	Socket Straight	Black PUR	14 AWG	-	-	1425073	1425074	1425075	1425076	PUR	1276563/.../...		
			Black PVC	16 AWG	-	-	1425033	1425034	1425035	1425036	105			
	Open End	Socket 90°	Black PUR	14 AWG	-	-	1425093	1425094	1425095	1425096	PVC		1276561/.../...	
			Black PVC	16 AWG	-	-	1425053	1425054	1425055	1425056	110			
	Pin Straight	Open End	Black PUR	14 AWG	-	-	1425065	1425066	1425067	1425068	PUR			1276568/.../...
			Black PVC	16 AWG	-	-	1425025	1425026	1425027	1425028	105			
	Pin 90°	Open End	Black PUR	14 AWG	-	-	1425069	1425070	1425071	1425072	PUR	1276567/.../...		
			Black PVC	16 AWG	-	-	1425085	1425086	1425087	1425088	PVC			
	Pin Straight	Socket Straight	Black PUR	14 AWG	1425081	1425082	1425083	1425084	1261835	1261819	PUR		1276560/.../...	
			Black PVC	16 AWG	1425041	1425042	1425043	1425044	-	-	105			
	Pin Straight	Socket 90°	Black PUR	14 AWG	1425101	1425102	1425103	1425104	-	-	PVC			1276558/.../...
			Black PVC	16 AWG	1425061	1425062	1425063	1425064	-	-	110			
	Pin 90°	Socket Straight	Black PUR	14 AWG	-	-	-	-	-	-	PUR	1276557/.../...		
			Black PVC	16 AWG	-	-	-	-	-	-	105			
	Pin 90°	Socket 90°	Black PUR	14 AWG	-	-	-	-	-	-	PUR		1276556/.../...	
			Black PVC	16 AWG	-	-	-	-	-	-	105			
	Pin 90°	Socket 90°	Black PUR	14 AWG	-	-	-	-	-	-	PUR			1276555/.../...
			Black PVC	16 AWG	-	-	-	-	-	-	105			
	Pin 90°	Socket 90°	Black PUR	14 AWG	-	-	-	-	-	-	PUR	1276554/.../...		
			Black PVC	16 AWG	-	-	-	-	-	-	105			
	Pin 90°	Socket 90°	Black PUR	14 AWG	-	-	-	-	-	-	PUR		1276553/.../...	
			Black PVC	16 AWG	-	-	-	-	-	-	105			
	Pin 90°	Socket 90°	Black PUR	14 AWG	-	-	-	-	-	-	PUR			1276552/.../...
			Black PVC	16 AWG	-	-	-	-	-	-	105			
	Pin 90°	Socket 90°	Black PUR	14 AWG	-	-	-	-	-	-	PUR	1276551/.../...		
			Black PVC	16 AWG	-	-	-	-	-	-	105			
	Pin 90°	Socket 90°	Black PUR	14 AWG	-	-	-	-	-	-	PUR		1276550/.../...	
			Black PVC	16 AWG	-	-	-	-	-	-	105			



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L-Code, 4-pos for DC power

Device connectors - Global production									
Configuration		Mounting	Leads	PCB	0.2 m	0.5 m	1.0 m	1.5 m	Note
	Pin, black insert, XL	16mm front-mount thread	14 AWG flying leads	-	1425586	-	-	-	Hex nut 1504097 sold separately
		16mm front-mount thread	16 AWG flying leads	-	1425631	-	-	-	
		16mm rear-mount thread	14 AWG flying leads	-	1425588	1163033	1163034	1163035	
		16mm rear-mount thread	16 AWG flying leads	-	1425633	-	-	-	
	Pin, black insert, shielded	Tape and reel	Through-hole	1425641	-	-	-	-	See Device Connector Housings table for applicable housings
		Tray/blister pack	Through-hole	1425639	-	-	-	-	
	Pin, black insert	Tape and reel	Through-hole	1425605	-	-	-	-	
		Tray/blister pack	Through-hole	1425603	-	-	-	-	
		Rear-mount M16x1.5 thread	Wave solder	1425592	-	-	-	-	
	Socket, black insert, XL	16mm front-mount thread	14 AWG flying leads	-	1425587	-	-	-	
		16mm front-mount thread	16 AWG flying leads	-	1425632	-	-	-	
		16mm rear-mount thread	14 AWG flying leads	-	1425589	1163053	1163054	1163055	
		16mm rear-mount thread	16 AWG flying leads	-	1425634	-	-	-	
	Socket, black insert, shielded	Tape and reel	Through-hole	1425642	-	-	-	-	See Device Connector Housings table for applicable housings
		Tray/blister pack	Through-hole	1425640	-	-	-	-	
	Socket, black insert	Tape and reel	Through-hole	1425606	-	-	-	-	
		Tray/blister pack	Through-hole	1425604	-	-	-	-	
		Rear-mount M16x1.5 thread	Wave solder	1425593	-	-	-	-	

Device connector housings				
	Solder type:	Through-hole		
	Orientation:	Pin	Socket	Hex nut
Front mounting	M14 x 1	1420824	1420825	1412077
Rear mounting	M14 x 1	1420826	1420827	

L-Code, 4-pos for DC power

Field-wired connectors											
Configuration	Termination	Cable OD	Wire mm2		Wire AWG		Shielded	Item no.	Power contacts		
			No ferrule	With ferrule	No ferrule	With ferrule			14 AWG		
									1.5 mm2	2.5 mm2	
	Socket straight	Push-lock	6-11mm	1.5 - 2.5	0.75 - 2.5	16	18 - 14	Yes	1080237	-	-
	Pin straight								1080239	-	-
	Socket straight	Crimp	8-13mm	1.5 - 2.5	-	14	-	Yes	1027480	1029396	1029392
	Pin straight								1027479	1029394	1029388

Y and H distributors				
Configuration	Positions	Coding	Item no.	
Y-Distributor	4 and 4+FE	L-code	1080249	
H-Distributor	4+FE	L-code	1080248	

Accessories			
Description	Material	Item no.	
Sealing cap for Male connectors	Plastic	1560251	
Sealing cap for Male connectors	Metal	1430488	
Screw plug for Female connectors	Plastic	1092802	
M12 Power locking clip	Plastic	1292631	

L-Code, 4+FE for DC power



Cordsets - U.S. production / Speedy Transaction											
Configuration			Shielded	Cable	Wire	2.0 m	5.0 m	10.0 m	CMAT		
Connector #1	Connector #2	Cable code							Base article		
	Open End	Socket Straight	No	Black TC-ER PVC	14 AWG	-	1291288	-	U60	1292207/.../...	
			Yes			1291275	-	1292216/.../...			
	Open End	Socket 90°	No			-	1291284	-		1292209/.../...	
			Yes			-	1291271	-		1292221/.../...	
	Pin Straight	Open End	No			-	1291290	-		1292204/.../...	
			Yes			-	1291277	-		1292215/.../...	
	Pin 90°	Open End	No			-	1291286	-		1292208/.../...	
			Yes			-	1291273	-		1292219/.../...	
	Pin Straight	Socket Straight	No			1291282	1291281	1291280		1292210/.../...	
			Yes			1291269	1291268	1291267		1292222/.../...	
	Pin 90°	Socket 90°	No			-	-	-		1292211/.../...	
			Yes			-	-	-		1292223/.../...	

Device connectors - U.S. production / Speedy Transaction							
Configuration		Mounting	Leads	0.5 m	1.0 m	2.0 m	Note
	Pin, black insert, XL	16mm front-mount thread	14 AWG flying leads	1329931	1329934	1329936	Hex nut 1504097 sold separately
	Socket, black insert, XL	16mm front-mount thread	14 AWG flying leads	1329932	1329935	1329937	



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L-Code, 4+FE for DC power

5-pos (4+FE) - Global production / Non-TC-ER													
Configuration			Shielded	Cable	Wire	0.3 m	0.6 m	1.5 m	3.0 m	5.0 m	10.0 m	CMAT	
Connector #1	Connector #2	Cable code										Base article	
	Open End	Socket Straight	No	Gray PUR	14 AWG	-	-	1414772	1414790	1414806	1414823	280	1276586/.../...
				Gray PVC	16 AWG	-	-	1424601	1424602	1424603	1424604	290	
			Yes	Gray PUR	14 AWG	-	-	1414782	1414798	1414814	1414831	500	
				Gray PVC	16 AWG	-	-	1424617	1424618	1424619	1424620	510	
	Open End	Socket 90°	No	Gray PUR	14 AWG	-	-	1414768	1414786	1414802	1414819	280	1276584/.../...
				Gray PVC	14 AWG	-	-	1414777	1414794	1414810	1414827	500	
			Yes	Gray PUR	14 AWG	-	-	1424621	1424622	1424623	1424624	510	
				Gray PVC	14 AWG	-	-	1414769	1414787	1414803	1414820	280	
			No	Gray PUR	14 AWG	-	-	1414778	1414795	1414811	1414828	500	
				Gray PVC	14 AWG	-	-	1414783	1414887	1414891	1414895	280	
	Pin Straight	Open End	No	Gray PUR	14 AWG	-	-	1424593	1424594	1424595	1424596	290	1276588/.../...
				Gray PVC	14 AWG	-	-	1414885	1414889	1414893	1414897	500	
			Yes	Gray PUR	14 AWG	-	-	1424609	1424610	1424611	1424612	510	
				Gray PVC	14 AWG	-	-	1414884	1414888	1414892	1414896	280	
			No	Gray PUR	14 AWG	-	-	1414850	1414854	1414858	1414862	280	
				Gray PVC	14 AWG	-	-	1424597	1424598	1424599	1424600	290	
	Pin 90°	Open End	No	Gray PUR	14 AWG	-	-	1414852	1414856	1414860	1414864	500	1276587/.../...
				Gray PVC	14 AWG	-	-	1424613	1424614	1424615	1424616	510	
			Yes	Gray PUR	14 AWG	-	-	1414851	1414855	1414859	1414863	280	
				Gray PVC	14 AWG	-	-	1414853	1414857	1414861	1414865	500	
			No	Gray PUR	14 AWG	1425009	1425010	1425011	1425012	-	-	280	
				Gray PVC	16 AWG	1425017	1425018	1425019	1425020	-	-	290	
	Pin Straight	Socket Straight	No	Gray PUR	14 AWG	1425013	1425014	1425015	1425016	-	-	500	1276583/.../...
				Gray PVC	16 AWG	1425021	1425022	1425023	1425024	-	-	510	
			Yes	Gray PUR	14 AWG	-	-	-	-	-	-	280	
				Gray PVC	14 AWG	-	-	-	-	-	-	500	
			No	Gray PUR	14 AWG	-	-	-	-	-	-	280	
				Gray PVC	14 AWG	-	-	-	-	-	-	290	
	Pin 90°	Socket 90°	No	Gray PUR	14 AWG	-	-	-	-	-	-	500	1276582/.../...
				Gray PVC	14 AWG	-	-	-	-	-	-	510	
			Yes	Gray PUR	14 AWG	-	-	-	-	-	-	280	
				Gray PVC	14 AWG	-	-	-	-	-	-	500	
			No	Gray PUR	14 AWG	-	-	-	-	-	-	280	
				Gray PVC	14 AWG	-	-	-	-	-	-	290	
	Pin 90°	Socket Straight	No	Gray PUR	14 AWG	-	-	-	-	-	-	500	1276581/.../...
				Gray PVC	16 AWG	-	-	-	-	-	-	510	
			Yes	Gray PUR	14 AWG	-	-	-	-	-	-	280	
				Gray PVC	14 AWG	-	-	-	-	-	-	500	
			No	Gray PUR	14 AWG	-	-	-	-	-	-	280	
				Gray PVC	14 AWG	-	-	-	-	-	-	290	
	Pin 90°	Socket 90°	No	Gray PUR	14 AWG	-	-	-	-	-	-	500	1276580/.../...
				Gray PVC	16 AWG	-	-	-	-	-	-	510	
			Yes	Gray PUR	14 AWG	-	-	-	-	-	-	280	
				Gray PVC	14 AWG	-	-	-	-	-	-	500	
			No	Gray PUR	14 AWG	-	-	-	-	-	-	280	
				Gray PVC	14 AWG	-	-	-	-	-	-	290	

L-Code, 4+FE for DC power

Device connectors - Global production									
Configuration		Mounting	Leads	PCB	0.2 m	0.5 m	1.0 m	1.5 m	Note
	Pin, gray insert, XL	16mm front-mount thread	14 AWG flying leads	-	1425582	-	-	-	Hex nut 1504097 sold separately
		16mm front-mount thread	16 AWG flying leads	-	1425627	-	-	-	
		16mm rear-mount thread	14 AWG flying leads	-	1425584	1163083	1163085	1163087	
		16mm rear-mount thread	16 AWG flying leads	-	1425629	-	-	-	
	Pin, gray insert, Shielded	Tape and reel	Through-hole	1425601	-	-	-	-	See Device Connector Housings table for applicable housings
		Tray/blister pack	Through-hole	1425597	-	-	-	-	
	Pin, gray insert	Tape and reel	Through-hole	1425599	-	-	-	-	
		Tray/blister pack	Through-hole	1425594	-	-	-	-	
		Rear-mount M16x1.5 thread	Wave solder	1415337	-	-	-	-	
	Pin, Black Insert, XL	16mm front-mount thread	14 AWG flying leads	-	1415295	-	-	-	Hex nut 1504097 sold separately
		16mm rear-mount thread	14 AWG flying leads	-	1415297	1163063	1163064	1163066	
	Pin, Black Insert, Shielded	Tape and reel	Through-hole	1421317	-	-	-	-	See Device Connector Housings table for applicable housings
		Tray/blister pack	Through-hole	1421314	-	-	-	-	
	Pin, Black Insert	Tape and reel	Through-hole	1420828	-	-	-	-	
		Tray/blister pack	Through-hole	1420817	-	-	-	-	
		Rear-mount M16x1.5 thread	Wave solder	1415337	-	-	-	-	
	Socket, gray insert, XL	16mm front-mount thread	14 AWG flying leads	-	1425583	-	-	-	Hex nut 1504097 sold separately
		16mm front-mount thread	16 AWG flying leads	-	1425628	-	-	-	
		16mm rear-mount thread	14 AWG flying leads	-	1425585	1163099	1163100	1163101	
		16mm rear-mount thread	16 AWG flying leads	-	1425630	-	-	-	
	Socket, gray insert, shielded	Tape and reel	Through-hole	1425602	-	-	-	-	See Device Connector Housings table for applicable housings
		Tray/blister pack	Through-hole	1425598	-	-	-	-	
	Socket, gray insert	Tape and reel	Through-hole	1425600	-	-	-	-	
		Tray/blister pack	Through-hole	1425595	-	-	-	-	
		Rear-mount M16x1.5 thread	Wave solder	1415338	-	-	-	-	
	Socket, black insert, XL	16mm front-mount thread	14 AWG flying leads	-	1415296	-	-	-	Hex nut 1504097 sold separately
		16mm rear-mount thread	14 AWG flying leads	-	1415299	1163111	1163112	1163114	
	Socket, black insert, shielded	Tape and reel	Through-hole	1421318	-	-	-	-	See Device Connector Housings table for applicable housings
		Tray/blister pack	Through-hole	1421315	-	-	-	-	
	Socket, black insert	Tape and reel	Through-hole	1420829	-	-	-	-	
		Tray/blister pack	Through-hole	1420818	-	-	-	-	
		Rear-mount M16x1.5 thread	Wave solder	1415338	-	-	-	-	

Device connector housings				
	Solder type	Through-hole		
	Orientation	Pin	Socket	Hex nut
Front mounting	M14 x 1	1420824	1420825	1412077
Rear mounting	M14 x 1	1420826	1420827	

L-Code, 4+FE for DC power

Field-wired connectors													
Configuration	Termination	Cable OD	Wire mm2		Wire AWG		Shielded	Item no.	Power contacts		FE contacts		
			No ferrule	With ferrule	No ferrule	With ferrule			14 AWG		14 AWG		
									1.5 mm2	2.5 mm2	1.5 mm2	2.5 mm2	
	Socket Straight	Push-lock	8-13mm	1.5 - 2.5	0.75 - 2.5	16	18 - 14	No	1646350	-	-	-	-
	Pin Straight								1646349	-	-	-	-
	Socket Straight	Push-lock	8-13mm	1.5 - 2.5	0.75 - 2.5	16	18 - 14	No	1151390	-	-	-	-
	Pin Straight								1151368	-	-	-	-
	Socket Straight		8-13mm	1.5 - 2.5	-	14	-	Yes	1080233	-	-	-	-
	Pin Straight								1080235	-	-	-	-
	Socket Straight	Crimp	8-13mm	0.75 - 2.5	0.75 - 1.5	-	18 - 16	Yes	1027478	1029396	1029392	1029398	1029389
	Pin Straight								1027477	1029394	1029388	1029401	1029393

Y and H distributors				
Configuration	Positions	Coding	Item no.	
	4 and 4+FE	L-code	1080249	
			1080248	

Accessories			
Description	Material	Item no.	
	Plastic	1560251	
	Metal	1430488	
	Plastic	1092802	
	Plastic	1292631	

S15 Power series

Power that's easy and safe to install is a must. With Phoenix Contact's S15 connections, a 1/4-turn locking mechanism is all that's required to create a secure IP65/67 connection. This quick-connect system significantly reduces handling times over traditional full-thread solutions. With visual and audible feedback when locked, you can know that the connection is complete. This powerful yet compact design is ideal for currents up to 16A, easily driving a variety of loads while still having extra contacts for additional control functions.





Notes




General specifications

Standards and regulations		Cable	
Standards/regulations	IEC 61076-2-116	Number of positions	6
Ambient conditions		Shielded	No
Ambient temperature (connector in operation)	-30 °C ... 85 °C	Cable type	PUR halogen-free black [PUR]
Degree of protection	IP65 / IP67	Conductor cross-section	6x 2.5 mm ²
Electrical specifications		Wire diameter including insulation	2.85 mm ±5 %
Nominal voltage UN	600 VAC (Power) 63 V (Signal)	External cable diameter	10.50 mm
Nominal current UN	16 A (Power) 10 A (Signal)	Conductor material	Bare Cu litz wires
Degree of pollution	3	Single wire, material	PP
Material		Overall twist	6 wires, twisted around filler
Flammability rating according to UL 94	V0	Maximum conductor resistance	Max. 7.98 Ω/m
Contact material	Cu alloy	Nominal voltage, cable	≤ 1000 V
Contact surface material	Ag	Test voltage	≥ 10000 V
Contact carrier material	PA	Minimum bending radius, fixed installation	7.5 x D
Material of grip body	PUR	Minimum bending radius, flexible installation	10 x D
		Smallest bending radius, fixed installation	79 mm
		Smallest bending radius, movable installation	105 mm
		Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 79 mm, Traversing rate: 3.3 m/s, Acceleration: 5 m/s ²

S15 pinout and wire color chart

Cordsets		Series	Pos. 1	Pos. 2	Pos. 3	PE	Pos. A	Pos. B
 Female, 6-pos.	 Male, 6-pos.	Unshielded	Black (1)	Black (2)	Black (3)	Green/Yellow	Black (4)	Black (5)

S15 power, 3+PE for AC power with 2-pos DC signal

Cordsets - Unshielded Black PUR, 14 AWG								
Configuration			Standard articles					
Connector #1	Connector #2		0.3 m	0.6 m	1.5 m	3.0 m	5.0 m	10.0 m
	Open End	Socket Straight	-	-	1514497	1514499	1514500	1514501
	Pin Straight	Open End	-	-	1514492	1514494	1514495	1514496
	Pin Straight	Socket Straight	1514502	1514503	1514504	1514506	1514507	-

Inch power

While bulkier than their metric counterparts, inch-based connector systems have found their way into mainstream use throughout North America for a host of different power distribution networks. Given their widespread use despite more globally accepted metric standards, Phoenix Contact has created an offering of inch connectors to better integrate into legacy power distribution systems.



MINI 7/8"

An integral part of Phoenix Contact's mini power offering

If you are already using legacy MINI 7/8" type connectors, Phoenix Contact has you covered. Cordsets and connectors are UL Listed under E221474 and E468743 and offered in several sizes:

- 14 AWG - ST00W TC-ER -rated black PVC jacket for 600V power
- 16 AWG - ST00W -rated yellow PVC jacket for 600 V signals
- 18 AWG - PLTC -rated yellow PVC jacket for 300 V signals

MINI 7/8" connectors supply power up to 15A and are available in three color-coded schemes: IEC, US, and Automotive. While power transfer is in no small part of the reason for using MINI 7/8" connectors, it's clear that it supports a range of signal and data transmissions as well.



MINI 7/8" – 16 UNF cordsets and connectors

Our industry-compatible MINI 7/8" 16 UNF screw-threaded connectors and cordsets product range allows you to quickly connect sensors and switches, as well as other devices in the field.



MINI 7/8"-16 UNF pinout and color chart

Connector		Series	Pos. 1	Pos. 2	Pos. 3	Pos. 4	Pos. 5	Pos. 6
Socket	Pin							
		16 AWG signal	White	Black				
		18 AWG signal	Brown	Blue				
		14 AWG power	Green	Black	White			
		16 AWG signal	Green	Black	White			
		18 AWG signal	Black	Brown	Blue			
		14 AWG power	Black	White	Red	Green		
		16 AWG signal	Black	White	Red	Green		
		18 AWG signal	Brown	White	Blue	Black		
		16 AWG signal	White	Red	Green	Orange	Black	
		18 AWG signal	Black	Blue	Gray	Brown	White	
		16 AWG signal	White	Red	Green	Orange	Black	Blue
		18 AWG signal	Green	White	Blue	Gray	Yellow	Brown

MINI 7/8"-16 UNF technical information

Positions								
		2P	3P		4P		5P	6P
UL Approval	Test standard	UL2238	UL2238	UL2237	UL2238	UL2237	UL2238	UL2238
	File	E221474	E221474	E468743	E221474	E468743	E221474	E221474
18 AWG Cable Type 547 Yellow PVC, ITC/PLTC	Cable OD	5.33mm	5.7mm	-	6.0mm	-	6.6mm	7.29mm
	Current	13A	13A	-	10A	-	8A	8A
	Voltage	300V	300V	-	300V	-	300V	300V
16 AWG Cable Type U20 Yellow PVC, STOOW	Cable OD	9.4mm	10.4mm	-	10.7mm	-	12.7mm	13.7mm
	Current	13A	13A	-	10A	-	8A	8A
	Voltage	600V	600V	-	600V	-	600V	600V
14 AWG Cable Type U50 Black PVC, TC-ER, STOOW	Cable OD	-	14.53mm	-	15.7mm	-	-	-
	Current	-	23.5A	7A	24A	7A	-	-
	Voltage	-	600V	600V	600V	600V	-	-








7/8" cordsets

18 AWG, 547 PVC								
Configuration				Positions	Cable length			
Connector 1	Connector 2	Description	1 m		2 m	5 m	10 m	
	Open End	Socket Straight	SAC-(pos) P-(length)-547/ MINFS	2	1416456	1416520	1416521	1416522
				3	1416465	1416549	1416550	1416552
				4	1416472	1416601	1416603	1416604
				5	1416480	1416631	1416632	1416633
				6	1416488	1416655	1416656	1416657
	Open End	Socket 90°	SAC-(pos) P-(length)-547/ MINFR	2	1416455	1416516	1416518	1416519
				3	1416464	1416546	1416547	1416548
				4	1416471	1416589	1416590	1416600
				5	1416479	1416628	1416629	1416630
	Pin Straight	Open End	SAC-(pos)P-MINMS/ (length)-547	2	1416462	1416536	1416537	1416539
				3	1416469	1416572	1416573	1416577
				4	1416477	1416618	1416621	1416623
				5	1416484	1416644	1416645	1416646
	Pin 90°	Open End	SAC-(pos)P-MINMR/ (length)-547	2	1416461	1416532	1416533	1416535
				3	1416468	1416564	1416566	1416568
				4	1416476	1416614	1416616	1416617
				5	1416483	1416641	1416642	1416643
	Pin Straight	Socket Straight	SAC-(pos)P-MINMS/ (length)-547/MINFS	2	1416463	1416542	1416544	1416545
				3	1416470	1416581	1416587	1416588
				4	1416478	1416625	1416626	1416627
				5	1416485	1416647	1416649	1416650
	Pin 90°	Socket Straight	SAC-(pos)P-MINMR/ (length)-547/MINFS	2	1416459	1416528	1416529	1416531
				3	1416467	1416560	1416561	1416563
				4	1416475	1416610	1416612	1416613
				5	1416482	1416638	1416639	1416640
	Pin 90°	Socket 90°	SAC-(pos)P-MINMR/ (length)-547/MINFR	2	1416458	1416523	1416524	1416526
				3	1416466	1416555	1416557	1416558
				4	1416474	1416605	1416608	1416609
				5	1416481	1416634	1416636	1416637
				6	1416489	1416658	1416659	1416660




7/8" cordsets

16 AWG, U20 PVC								
Configuration				Positions	Cable length			
Connector 1	Connector 2	Description	1 m		2 m	5 m	10 m	
	Open End	Socket Straight	SAC-(pos) P-(length)-U20/ MINFS	2	1416495	1416755	1416756	1416757
				3	1416508	1416776	1416777	1416778
				4	1416530	1416798	1416799	1416800
				5	1416559	1416820	1416821	1416822
				6	1416602	1416844	1416845	1416846
					Open End	Socket 90°	SAC-(pos) P-(length)-U20/ MINFR	2
3	1416507	1416773	1416774					1416775
4	1416527	1416795	1416796					1416797
5	1416556	1416817	1416818					1416819
6	1416591	1416840	1416841					1416843
	Pin Straight	Open End	SAC-(pos)P-MINMS/ (length)-U20					2
				3	1416514	1416788	1416789	1416791
				4	1416551	1416810	1416811	1416812
				5	1416580	1416833	1416834	1416835
				6	1416620	1416857	1416858	1416859
					Pin 90°	Open End	SAC-(pos)P-MINMR/ (length)-U20	2
3	1416513	1416785	1416786					1416787
4	1416543	1416809	1416807					1416808
5	1416569	1416830	1416831					1416832
6	1416615	1416853	1416854					1416856
	Pin Straight	Socket Straight	SAC-(pos)P-MINMS/ (length)-U20/MINFS					2
				3	1416517	1416792	1416793	1416794
				4	1416553	1416814	1416815	1416816
				5	1416586	1416836	1416837	1416838
				6	1416624	1416860	1416861	1416862
					Pin 90°	Socket Straight	SAC-(pos)P-MINMR/ (length)-U20/MINFS	2
3	1416511	1416782	1416783					1416784
4	1416540	1416804	1416805					1416806
5	1416565	1416827	1416828					1416829
6	1416611	1416850	1416851					1416852
	Pin 90°	Socket 90°	SAC-(pos)P-MINMR/ (length)-U20/MINFR					2
				3	1416510	1416779	1416780	1416781
				4	1416534	1416801	1416802	1416803
				5	1416562	1416823	1416824	1416825
				6	1416607	1416847	1416848	1416849









7/8" cordsets

14 AWG, U50 PVC								
Configuration				Positions	Cable length			
Connector 1	Connector 2	Description	1 m		2 m	5 m	10 m	
	Open End	Socket Straight	SAC-(pos)-(length)-U50/MINFS	3	1417097	1417098	1417099	1417101
				4	1417127	1417128	1417129	1417130
	Open End	Socket 90°	SAC-(pos)-(length)-U50/MINFR	3	1417093	1417094	1417095	1417096
				4	1417123	1417124	1417125	1417126
	Pin Straight	Open End	SAC-(pos)-MINMS/(length)-U50	3	1417115	1417116	1417117	1417118
				4	1417145	1417146	1417147	1417148
	Pin 90°	Open End	SAC-(pos)-MINMR/(length)-U50	3	1417110	1417111	1417112	1417114
				4	1417140	1417141	1417143	1417144
	Pin Straight	Socket Straight	SAC-(pos)-MINMS/(length)-U50/MINFS	3	1417119	1417120	1417121	1417122
				4	1417149	1417150	1417151	1417152
	Pin 90°	Socket Straight	SAC-(pos)-MINMR/(length)-U50/MINFS	3	1417106	1417107	1417108	1417109
				4	1417135	1417136	1417137	1417138
	Pin 90°	Socket 90°	SAC-(pos)-MINMR/(length)-U50/MINFR	3	1417102	1417103	1417104	1417105
				4	1417131	1417132	1417133	1417134

7/8" receptacles

7/8" Front-mounting receptacles with 1m litz wires					
Configuration		Positions	18 AWG (547)	16 AWG (U20)	14 AWG (U50)
Gender	Description				
Socket	SACC-E-MINF-2CON-NPT12-(wire code)/1,0	2	1420947	1420952	
Pin	SACC-E-MINM-2CON-NPT12-(wire code)/1,0		1417763	1417768	
Socket	SACC-E-MINF-3CON-NPT12-(wire code)/1,0	3	1420948	1420953	1420957
Pin	SACC-E-MINM-3CON-NPT12-(wire code)/1,0		1417764	1417769	1417774
Socket	SACC-E-MINF-4CON-NPT12-(wire code)/1,0	4	1420949	1420954	1420958
Pin	SACC-E-MINM-4CON-NPT12-(wire code)/1,0		1417765	1417770	1417775
Socket	SACC-E-MINF-5CON-NPT12-(wire code)/1,0	5	1420950	1420955	
Pin	SACC-E-MINM-5CON-NPT12-(wire code)/1,0		1417766	1417771	
Socket	SACC-E-MINF-6CON-NPT12-(wire code)/1,0	6	1420951	1420956	
Pin	SACC-E-MINM-6CON-NPT12-(wire code)/1,0		1417767	1417772	

7/8" field-wired

7/8" Field-wired connectors										
Configuration	Termination	Positions	Shielded	Item no.	Description	Cable OD	Wire	Current	Voltage	
	Pin Straight	Screw	3	No	1559240	PDCC-MINMS-3CON	8-17mm	14 AWG	18 A	600 V
								16 AWG	13 A	
								18 AWG	10 A	
								20-22 AWG	4 A	
	Socket Straight	Screw	3	No	1559241	PDCC-MINF-3CON	8-17mm	14 AWG	18 A	600 V
								16 AWG	13 A	
								18 AWG	10 A	
								20-22 AWG	4 A	
	Pin Straight	Screw	4	No	1559242	PDCC-MINMS-4CON	8-17mm	14 AWG	15 A	600 V
								16 AWG	10 A	
								18 AWG	8 A	
								20-22 AWG	4 A	
	Socket Straight	Screw	4	No	1559243	PDCC-MINF-4CON	8-17mm	14 AWG	15 A	600 V
								16 AWG	10 A	
								18 AWG	8 A	
								20-22 AWG	4 A	
	Pin Straight	Screw	5	No	1559244	PDCC-MINMS-5CON	8-17mm	14 AWG	12 A	600 V
								16 AWG	8 A	
								18 AWG	5.5 A	
								20-22 AWG	4 A	
	Socket Straight	Screw	5	No	1559245	PDCC-MINF-5CON	8-17mm	14 AWG	12 A	600 V
								16 AWG	8 A	
								18 AWG	5.5 A	
								20-22 AWG	4 A	
	Pin Straight	Screw	6	No	1559247	PDCC-MINMS-6CON	8-17mm	16 AWG	8 A	600 V
								18 AWG	5.5 A	
								20-22 AWG	4 A	
	Socket Straight	Screw	6	No	1559248	PDCC-MINF-6CON	8-17mm	16 AWG	8 A	600 V
								18 AWG	5.5 A	
								20-22 AWG	4 A	

1-3/8" power distribution

Our 1-3/8" cordsets, connectors, and receptacles enable industry-standard power distribution trunk lines. When paired with the T-distributors up to 30A, trunk lines can drop to 15A taps with our MINI 7/8" products.



1-3/8" Pinout and wire color chart

Connector	Cable	Cable OD	Current	Voltage	Pos. 1	Pos. 2 (PE)	Pos. 3	Pos. 4
 Socket 3pos.	 Pin 3pos.	Type U80 Black TPE TC-ER rated 10 AWG	30 A	600 V	Black	Green	White	
 Socket 4pos.	 Pin 4pos.		25 A	600 V	Black	Green	Red	White

1-3/8" cordsets

1-3/8" Cordsets								
	Configuration			Positions	Cable length			
	Connector 1	Connector 2	Description		1 m	2 m	5 m	10 m
	Open End	Socket Straight	PDC-(pos)P-(length)-U80/138FS	3 (2+PE)	1423180	1423181	1423182	1423183
				4 (3+PE)	1423271	1423272	1430393	1423273
	Open End	Socket Angled	PDC-(pos)-(length)-U80/138FR	3 (2+PE)	1423188	1423189	1423190	1423191
				4 (3+PE)	1423267	1423268	1423269	1423270
	Pin Straight	Open End	PDC-(pos)-138MS/(length)-U80	3 (2+PE)	1423176	1423177	1423178	1423179
				4 (3+PE)	1423286	1423287	1423288	1423289
	Pin Angled	Open End	PDC-(pos)-138MR/(length)-U80	3 (2+PE)	1423184	1423185	1423186	1423187
				4 (3+PE)	1423282	1423283	1423284	1423285
	Pin Straight	Socket Straight	PDC-(pos)-138MS/(length)-U80/138FS	3 (2+PE)	1423192	1423193	1423194	1423195
				4 (3+PE)	1423290	1430392	1423291	1423292
	Pin Straight	Socket Angled	PDC-(pos)-138MS/(length)-U80/138FR	3 (2+PE)	1423200	1423201	1423202	1423203
				4 (3+PE)	1423305	1423306	1423307	1423308
	Pin Angled	Socket Straight	PDC-(pos)-138MR/(length)-U80/138FS	3 (2+PE)	1423205	1423206	1423207	1423208
				4 (3+PE)	1423278	1423279	1423280	1423281
	Pin Angled	Socket Angled	PDC-(pos)-138MR/(length)-U80/138FR	3 (2+PE)	1423196	1423197	1423198	1423199
				4 (3+PE)	1423274	1423275	1423276	1423277

1-3/8" receptacles

1-3/8" Front-mounting receptacles with 1m litz wires					
	Configuration		Positions	Mounting thread	
	Gender	Description		NPT 1/2"	NPT 3/4"
	Pin	PDCC-E-138MS-3P-NPT(thread)-U80/ 1,0	2+PE	1423150	1423151
	Socket			1423152	1423153
	Pin	PDCC-E-138MS-4P-NPT(thread)-U80/ 1,0	3+PE	1423154	1423155
	Socket			1423156	1423157

1-3/8" field-wired

1-3/8" Field-wired connectors										
	Configuration	Termination	Positions	Shielded	PN	Description	TC-ER cable OD	Wire	Current	Voltage
	Pin Straight	Screw	2+PE	No	1559235	PDCC-138MS-3CON	12-13mm	10 AWG	45A	600 V AC
								12 AWG	35A	
								14 AWG	30A	
	Socket Straight	Screw	2+PE	No	1559236	PDCC-138FS-3CON	12-13mm	10 AWG	45A	600 V AC
								12 AWG	35A	
								14 AWG	30A	
	Pin Straight	Screw	3+PE	No	1559238	PDCC-138MS-4CON	12-13mm	10 AWG	40A	600 V AC
								12 AWG	30A	
								14 AWG	24A	
	Socket Straight	Screw	3+PE	No	1559239	PDCC-138FS-4CON	12-13mm	10 AWG	40A	600 V AC
								12 AWG	30A	
								14 AWG	24A	

1-3/8" distributor

1-3/8" T-distributors									
PN	Description	Positions	Trunk				Tap		
			Pin	Socket	Current	Voltage	Socket	Current	Voltage
	PDC-3PT-138MS-FS/MINFS	2+PE	1-3/8"	1-3/8"	30A	600 V	7/8"	15A	600 V
	PDC-4PT-138MS-FS/MINFS	3+PE	1-3/8"	1-3/8"	25A	600 V	7/8"	15A	600 V

Installation power

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.



Installation systems for all applications



Building infrastructure

Modern commercial buildings must be multifunctional and flexible, so offices can be converted into laboratories or production areas. With plug-in power distribution, installation with our systems saves time, and the connectors' high number of insertion cycles allows them to withstand many adjustments.



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 especially benefit from our installation systems. The plug-in power distribution and preassembled cable assemblies allow a quick changeover to varying requirements when switching products. This maintains consistent productivity.

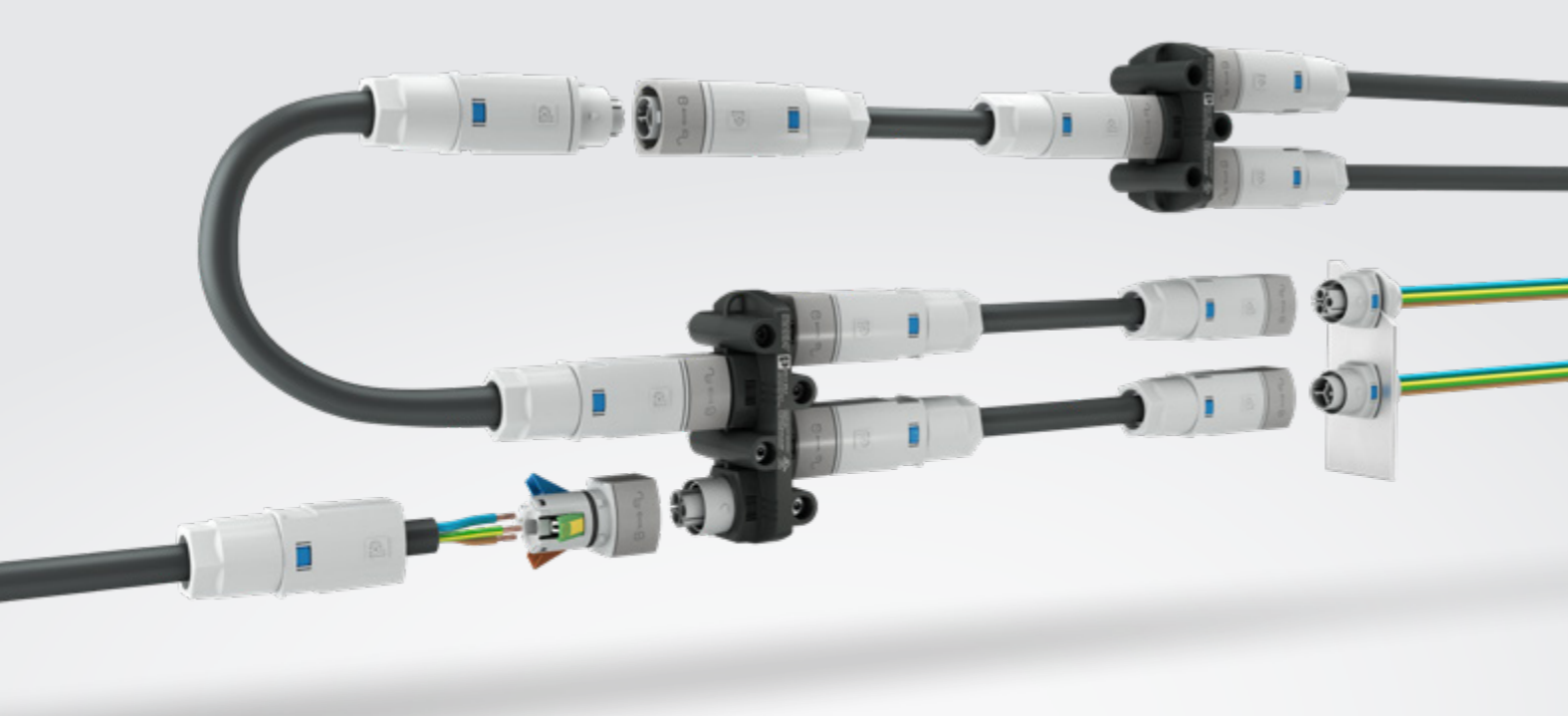
Comparison of installation systems

	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 plug it in and it is 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.

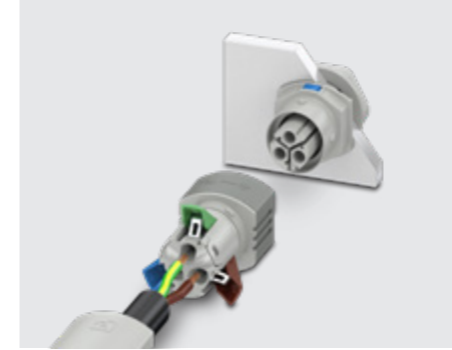


Scan the QR code and watch the video

Your advantages

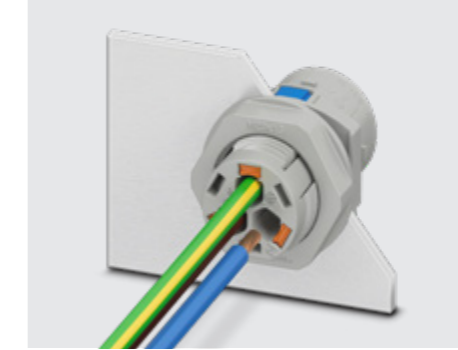
- ✔ Simple, time-saving wiring in the field with push-lock connection
- ✔ Secure, tool-free locking even in difficult installation situations
- ✔ Reliable installation in harsh environments with IP66, IP68, and IP69K throughout the entire system
- ✔ Fast commissioning with preassembled cable assemblies

Your advantages at a glance



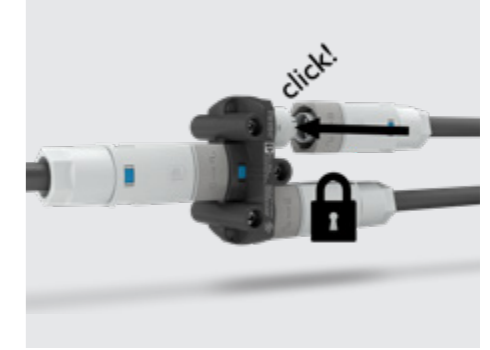
Time-saving wiring

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.



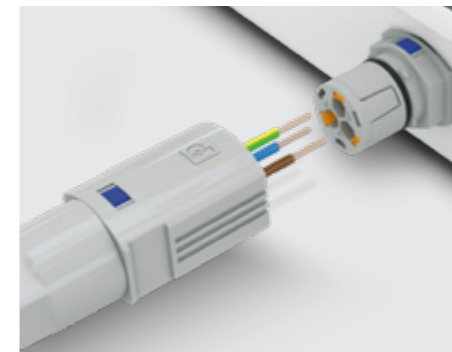
Tool-free device connection

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 is simple, even in adverse conditions or situations. IPD connectors are equipped with a bayonet fast-locking system, so the mating position snaps clearly and securely into place. Mechanical coding protects against mismatching, with DIN EN 0105 accordance for touch protection.



Easy installation without connectors

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



Fast commissioning

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, with customer-specific lengths available upon request. Versions with connector- or coupling-to-free-cable-end or connector-to-coupling are also available.



Reliable protection

With IP66, IP68, and IP69K, your installation is protected against water and dust for reliable, long-term installations in harsh outdoor and industrial environments.

IPD pluggable 2.5 mm² connectors

Plug connector (with snap-in knurl) - Field-wired for 20-14 AWG												
Image	Color	Positions	Position markings	Contact	Item number	Description	IEC		UL (PVVA.E468743)			Protective cap
							Current	Voltage	Current	Voltage	SCCR	
	Light gray	2+PE	L / N /	Pin	1088672	IPD PL 3P2,5 M GY	20 A	500 V	20 A	600 V	5kA	1088706
				Socket	1088674	IPD PL 3P2,5 F GY						
	Light gray	4+PE	1 / 2 / 3 / N /	Pin	1088676	IPD PL 5P2,5 M GY	17.5 A	600 V	20 A	600 V	5kA	1088710
				Socket	1088678	IPD PL 5P2,5 F GY						
	Black	2+PE	L / N /	Pin	1088664	IPD PL 3P2,5 M BK	20 A	500 V	20 A	600 V	5kA	1088706
				Socket	1088666	IPD PL 3P2,5 F BK						
	Black	4+PE	1 / 2 / 3 / N /	Pin	1088668	IPD PL 5P2,5 M BK	17.5 A	600 V	20 A	600 V	5kA	1088710
				Socket	1088670	IPD PL 5P2,5 F BK						

Plug connector (with snap-in knurl) - Pre-assembled cordsets												
Image	Configuration			Descriptor	Cable - 14 AWG, PVC				IEC		Protective cap	
	Color	Connector #1	Connector #2		Positions	0,5 m	1.0 m	3.0 m	5.0 m	Current		Voltage
	Light gray	Pin	Open	2+PE	IPD PL 3P2,5 M A(length) PVC GY	1526861	1526862	1526863	1526864	16 A	450 V (flexible) / 500 V (fixed)	1088706
				4+PE	IPD PL 5P2,5 M A(length) PVC GY	1526876	1526877	1526878	1526879		450 V (flexible) / 600 V (fixed)	1088710
	Light gray	Open	Socket	2+PE	IPD PL 3P2,5 F A(length) PVC GY	1526865	1526866	1526867	1526869	16 A	450 V (flexible) / 500 V (fixed)	1088706
				4+PE	IPD PL 5P2,5 F A(length) PVC GY	1526880	1526882	1526885	1526886		450 V (flexible) / 600 V (fixed)	1088710
	Light gray	Pin	Socket	2+PE	IPD PL 3P2,5 M A(length) F PVC GY	1526872	1526873	1526874	1526875	16 A	450 V (flexible) / 500 V (fixed)	1088706
				4+PE	IPD PL 5P2,5 M A(length) F PVC GY	1526887	1526889	1526891	1526892		450 V (flexible) / 600 V (fixed)	1088710

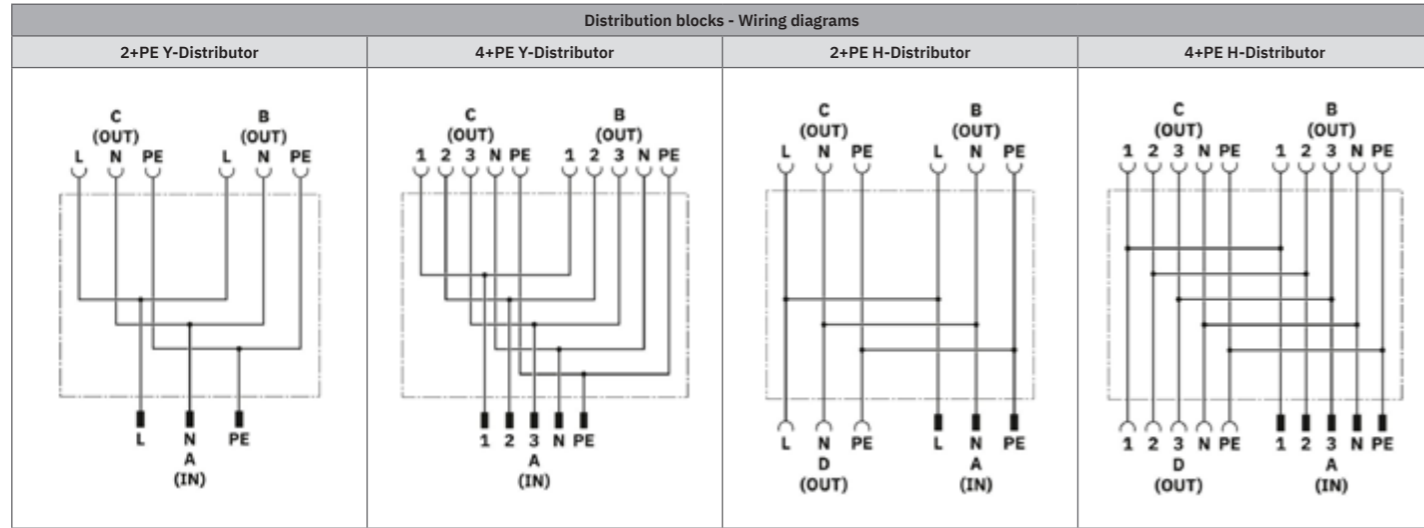
IPD pluggable 2.5 mm² connectors

Receptacle connector - Panel feed-through for 20-14 AWG															
Image	Color	Positions	Position markings	Knockout	Termination	Contact	Item number	Description	IEC		UL (PVVA.E468743)			Protective cap	
									Current	Voltage	Current	Voltage	SCCR		
	Light gray	2+PE	L / N /	M20	Push-in	Socket	1088689	IPD W 3P2,5 F M20 GY	20 A	500 V	20 A	600 V	5kA	1088707	
						Pin	1088687	IPD W 3P2,5 M M20 GY							
					Leaded, 0,5 m	Socket	1088702	IPD W 3P2,5 F 0,5 M20 GY							
						Pin	1088700	IPD W 3P2,5 M 0,5 M20 GY							
					M25	Push-in	Socket	1088690							IPD W 3P2,5 F M25 GY
						Pin	1088688	IPD W 3P2,5 M M25 GY							
Leaded, 0,5 m	Socket	1088703	IPD W 3P2,5 F 0,5 M25 GY												
	Pin	1088701	IPD W 3P2,5 M 0,5 M25 GY												
	Light gray	4+PE	1 / 2 / 3 / N /	M25	Push-in	Socket	1088692	IPD W 5P2,5 F M25 GY	17.5 A	600 V	20 A	600 V	5kA	1088711	
						Pin	1088691	IPD W 5P2,5 M M25 GY							
					Leaded, 0,5 m	Socket	1088705	IPD W 5P2,5 F 0,5 M25 GY							
						Pin	1088704	IPD W 5P2,5 M 0,5 M25 GY							
					M20	Push-in	Socket	1088682							IPD W 3P2,5 F M20 BK
						Pin	1088679	IPD W 3P2,5 M M20 BK							
Leaded, 0,5 m	Socket	1088695	IPD W 3P2,5 F 0,5 M20 BK												
	Pin	1088693	IPD W 3P2,5 M 0,5 M20 BK												
	Black	2+PE	L / N /	M20	Push-in	Socket	1088684	IPD W 3P2,5 F M25 BK	20 A	500 V	20 A	600 V	5kA	1088707	
						Pin	1088681	IPD W 3P2,5 M M25 BK							
					Leaded, 0,5 m	Socket	1088696	IPD W 3P2,5 F 0,5 M25 BK							
						Pin	1088694	IPD W 3P2,5 M 0,5 M25 BK							
					M25	Push-in	Socket	1088686							IPD W 5P2,5 F M25 BK
						Pin	1088685	IPD W 5P2,5 M M25 BK							
Leaded, 0,5 m	Socket	1088698	IPD W 5P2,5 F 0,5 M25 BK												
	Pin	1088697	IPD W 5P2,5 M 0,5 M25 BK												

Receptacle connector - Field-wired coupling for 20-14 AWG															
Image	Color	Positions	Position markings	Contact	Item number	Description	IEC		UL (PVVA.E468743)			Protective cap			
							Current	Voltage	Current	Voltage	SCCR				
	Light gray	2+PE	L / N /	Socket	1088673	IPD P 3P2,5 F GY	20 A	500 V	20 A	600 V	5 kA	1088707			
				Pin	1088671	IPD P 3P2,5 M GY									
		4+PE	1 / 2 / 3 / N /	Socket	1088677	IPD P 5P2,5 F GY									
				Pin	1088675	IPD P 5P2,5 M GY									
	Black	2+PE	L / N /	Socket	1088665	IPD P 3P2,5 F BK	20 A	500 V	20 A	600 V	5 kA	1088707			
				Pin	1088662	IPD P 3P2,5 M BK									
		4+PE	1 / 2 / 3 / N /	Socket	1088669	IPD P 5P2,5 F BK									
				Pin	1088667	IPD P 5P2,5 M BK									

IPD pluggable 2.5 mm² connectors

Distribution blocks - Y and H configurations											
Image	Color	Configuration	Positions	Item number	Description	IEC		UL (PVVA.E468743)			Protective cap
						Current	Voltage	Current	Voltage	SCCR	
	Black	Y-Distributor	2+PE	1499529	IPD Y 3P2,5 BK	20 A	500 V	20 A	600 V	5 kA	1088707
			4+PE	1499533	IPD Y 5P2,5 BK	17.5 A	600 V				1088711
		H-Distributor	2+PE	1499528	IPD H 3P2,5 BK	20 A	500 V				1088707
			4+PE	1499531	IPD H 5P2,5 BK	17.5 A	600 V				1088711



Alternate coding - Plug and panel-mount receptacle for 20-14 AWG														
Connector	Color	Positions	Position markings	Knockout	Termination	Contact	Item number	Description	IEC		UL (PVVA.E468743)			Protective cap
									Current	Voltage	Current	Voltage	SCCR	
	Black	4+FE	1 / 2 / 3 / 4 /	M25	Push-in	Socket	1490378	IPD W 5F2,5 F M25 BK	17.5 A	600 V	20 A	600 V	5 kA	1088711
						Pin	1490379	IPD PL 5F2,5 M BK						1088710

IPD fixed 2.5 mm² connectors

Panel feed-through connectors for 20-14 AWG													
Image	Color	Positions	Position markings	Knockout	Wire connection		Item number	Description	IEC		UL (PVVA.E468743)		
					External	Internal			Current	Voltage	Current	Voltage	SCCR
	Light Gray	2+PE	L / N /	M20	Push-in	Push-in	1047319	IPD WD 3P2,5 M20 GY	20 A	600 V	20 A	600 V	5kA
						Leaded, 0.5 m	1047347	IPD WD 3P2,5 0,5 M20 GY					
						Leaded, 1 m	1047350	IPD WD 3P2,5 1,0 M20 GY					
		4+PE	1 / 2 / 3 / N /	M25		Push-in	1047322	IPD WD 3P2,5 M25 GY					
						Leaded, 0.5 m	1047354	IPD WD 3P2,5 0,5 M25 GY					
						Leaded, 1 m	1047356	IPD WD 3P2,5 1,0 M25 GY					
	Black	2+PE	L / N /	M20	Push-in	1047321	IPD WD 3P2,5 M20 BK	15 A	600 V	20 A	600 V	5kA	
					Leaded, 0.5 m	1047348	IPD WD 3P2,5 0,5 M20 BK						
					Leaded, 1 m	1047353	IPD WD 3P2,5 1,0 M20 BK						
				M25	Push-in	1047324	IPD WD 3P2,5 M25 BK						
					Leaded, 0.5 m	1047355	IPD WD 3P2,5 0,5 M25 BK						
					Leaded, 1 m	1047359	IPD WD 3P2,5 1,0 M25 BK						
		3	1 / 2 / 3	M20	Push-in	1189585	IPD WD 3X2,5 M20 BK	15 A	15 A				
					4+PE	1 / 2 / 3 / N /	M25	Push-in	1047345	IPD WD 5P2,5 M25 BK	20 A	20 A	
								Leaded, 0.5 m	1047363	IPD WD 5P2,5 0,5 M25 BK			
		Leaded, 1 m	1047372	IPD WD 5P2,5 1,0 M25 BK									

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 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.



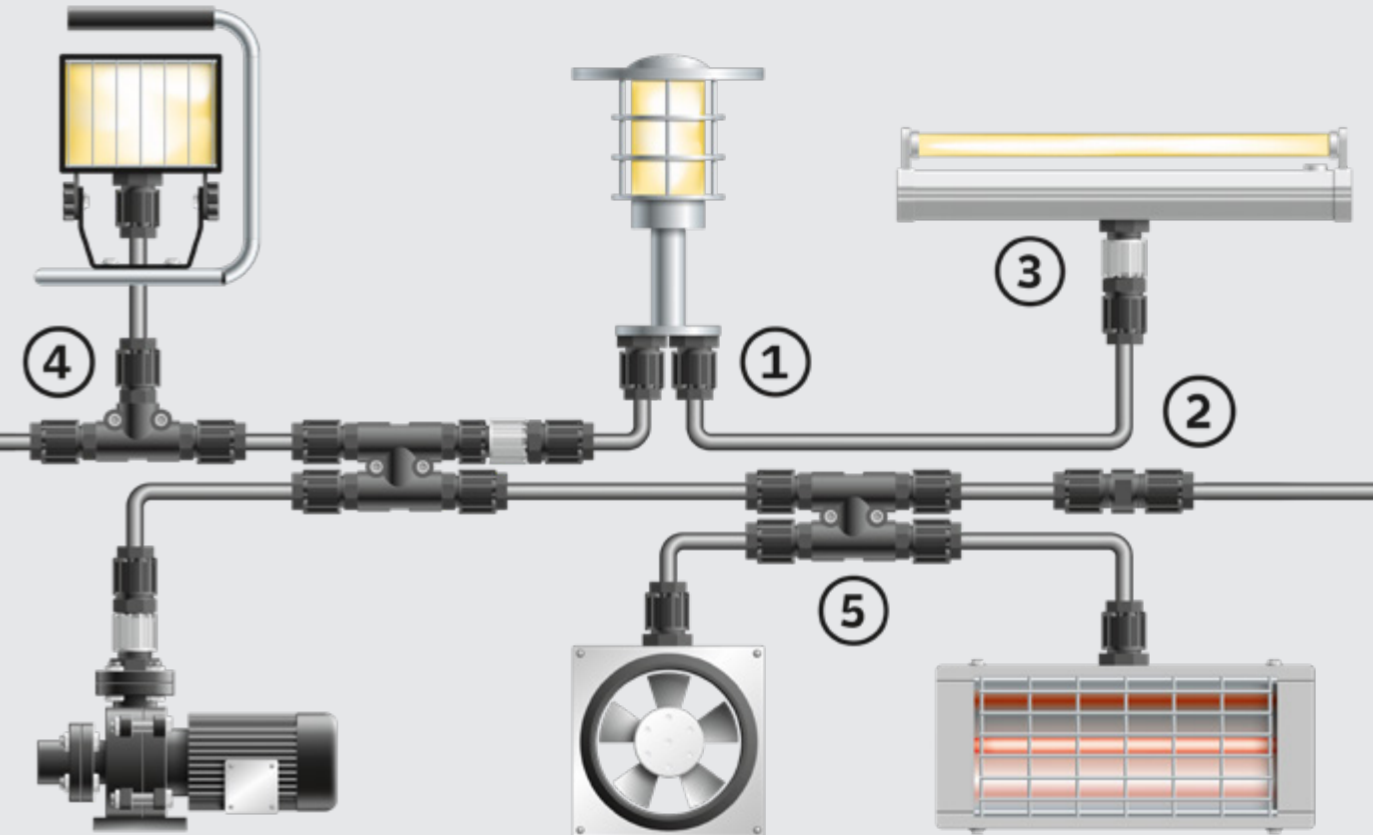
Your advantages

- ✓ 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 featuring up to IP68/IP69 degrees 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

QPD product overview



- 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 a 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.











QUICKON Power distribution 6.0mm² system

Technical characteristics, QPD 1.5mm ² system	
QUICKON IDC terminations	2.5-6.0mm ² / 14-10 AWG
Electrical - IEC	40 A / 690 V
Electrical - UL	20 A / 600 V / 5kA SCCR / UL File E468743.PVVA
Temperature range	-40 °C - 100 °C
Protection	IP66 / IP68 (2m/24hr) / IP69K
Impact strength	IK07
Flammability	UL 94 V0

Connector type	Termination/connection style	Body/nut color	QUICKON nuts included(1)	Positions				
				4+PE				
								
QUICKON nut cable OD								
9 - 14		12 - 20						
Feed-through connectors	QPD W...(mm)...	Litz wires (16 AWG / 1.5mm ²)	0.5mm	M25	Black	0	1410396	
						1	1410392	1410394
						0	1410397	
						1	1410393	1410395
In-line connectors	QPD C...	QUICKON IDC			Black	1	1410415	1410416
						2	1410410	1410412
T-distributors	QPD T...	QUICKON IDC - 1 Input / 2 Outputs			Black	0	1417490	
						2	1411416	1411417
						3	1411414	1411415
H-distributors	QPD H...	QUICKON IDC - 1 Input / 3 Outputs			Black	0	1411426	
						4	1411422	1411425
QUICKON nuts	QPD N...	QUICKON nuts for connectors without nuts			Black	1	1410409	1410406
Plug connectors	QPD P...	Tool-free unlocking	Gray lock		Black	1	1039564	1039565
						1	1410386	1410387
		Tool release	Black lock		Black	1	1417714	
						1	1410388	

Notes: (1) - Purchase additional QUICKON nuts separately.

QUICKON Power distribution 6.0mm² system

Accessories									
Description	Item number	Designation	For use with						
			Connector positions	QPD W...(mm)	QPD C	QPD T	QPD H	QPD P	
 M25 Flat counter nut	1640715	Q-MU M25	4+PE	X					
 IP50 transparent cap	1411404	QPD PSK 5X6,0	4+PE	X	X	X	X		
 IP50 black cap	1411403	QPD QSK 5X6,0	4+PE	X	X	X	X		
 Black locking cap - IP66 / IP68 (2m/24hr) / IP69K	1411400	QPD QSK BK 5X6,0 FS	4+PE	X	X	X	X		
 Gray locking cap - IP66 / IP68 (2m/24hr) / IP69K	1411401	QPD QSK GY 5X6,0 FS	4+PE	X	X	X	X		
 Coding key	1411402	CP-QPD 5X6,0	4+PE	X	X	X	X	X	
 Levering tool for releasing locking knurl	1679728	Q-LEVER	4+PE						X
 Shield management foil	1404531	ALU-SB	4+PE	X	X	X	X	X	
 Marking label - flexible	0819453	EMLP (13X9)R	4+PE	X	X	X	X	X	
 Marking label - rigid	0806932	GPE 13X 9 WH	4+PE	X	X	X	X	X	

QUICKON Power distribution 2.5mm² system

Technical characteristics, QPD 2.5mm ² system	
QUICKON IDC terminations	1.0-2.5 mm ² / 16-14 AWG
Electrical - IEC	20 A / 690 V
Electrical - UL	15 A (3+PE & 4pos) 10 A (4+PE) / 600 V / 5kA SCCR / UL File E468743.PVVA
Temperature range	-40 °C - 100 °C
Protection	IP66 / IP68 (2m/24hr) / IP69K
Impact strength	IK07
Flammability	UL 94 V0

Connector type	Termination/connection style	Body/nut color	QUICKON nuts included (1)	Positions									
				3+PE		4		4+PE					
				QUICKON nut cable OD									
				6-10mm	9-14mm	6-10mm	9-14mm	6-11mm	9-16mm	7-14mm			
Feed-through connectors	Litz wires (14 AWG / 2.5mm ²)	M20	Black	0					1403737				
			Black	1					1403725	1403731			
			Gray	1	1423983					1582565			
		M25	Black	0	1423975	1423980				1582557	1582561		
			Black	1	1423966								
			Gray	1			1424004						
	Slip-on blade(2)	M20	Black	0					1403739				
			Black	1	1403727				1403727	1403733			
			Gray	1	1423984				1582566				
		M25	Black	0	1423974	1423979				1582558	1582562		
			Black	1	1403729					1403741	1403735		
			Gray	1	1423986					1582567			
	Push-in(3)	M25	Black	0	1423976	1423981				1582559	1582563		
			Black	1	1423977	1423982				1424010			
			Gray	1	1423968		1424011			1424001			
		M25	Black	0	1423985					1140026			
			Black	1	1423977	1423982				1411432	1411433	1411431	
			Gray	1	1423968		1424011	1424002	1424006				
	QUICKON IDC	Pg21	Black	1	1424040	1424039							
			Black	2	1424038	1424037							
			Gray	1				1424035					
		Pg29	Black	1						1403848	1403846		
			Black	2						1403844	1403841		
			Gray	2						1403843			
QUICKON IDC	QUICKON IDC	Black	1	1423991	1423992				1403834	1403831			
		Black	2	1423989	1423990				1403838	1403836			
		Gray	1						1403832				
	QUICKON IDC - 1 Input / 2 Outputs	Black	0						1417489				
		Black	2	1424047	1424048				1405403	1405404			
		Black	3	1424045	1424046				1405401	1405402			
QUICKON IDC - 1 Input / 3 Outputs	QUICKON IDC - 1 Input / 3 Outputs	Black	0	1423973					1406370				
		Black	4	1423971	1423972				1406368	1406369			
		Black/Gray	0						1423997				
	QUICKON nuts for connectors without nuts	Black	4			1423995	1423996						
		Black	1	1423993	1423994				1459663	1459647			
		Gray	1					1424032					
Plug connector	Tool-free unlocking	Gray lock	Black	1	1423987	1423988	1424043		1039563	1039561			
		Black lock	Black	1		1423969	1424019	1423970					
		Black lock	Black	1	1424041	1424042							
	Tool release	Gray lock	Black	1					1403784	1403782			
		Black lock	Black	1						1417718			
		Black lock	Gray	1					1403783	1403781			

Notes: (1) - Purchase additional QUICKON nuts separately.
 (2) - Purchase slip-on sleeve connectors separately.
 (3) - For stranded, solid, or ferruled wire. Ferrules must be secured with a square crimp.

QUICKON Power distribution 2.5mm² system

Description		Item number	Designation	Accessories											
				For use with											
				Connector positions	QPD W... (mm)	QPD W... FC	QPD W... DT	QPD CW	QPD C	QPD T	QPD H	QPD N	QPD P		
	M20 flat counter nut	1586099	Q-MU-M20 BK	3+PE/ 4 / 4+PE	X	X									
	M25 flat counter nut	1640715	Q-MU M25	3+PE/ 4 / 4+PE	X	X	X								
	Pg21 flat counter nut	1582655	Q-MU PG 21 BK	3+PE/ 4 / 4+PE				X							
	Pg29 flat counter nut	1670772	Q-MU PG29 BK	3+PE/ 4 / 4+PE				X							
	Alternate seal for ASI cable x1	1582462	KV-DI-PG16-1XASI	3+PE / 4	X	X	X	X	X	X	X	X	X	X	
	Alternate seal for ASI cable x2	1582464	KV-DI-PG16-2XASI	3+PE / 4	X	X	X	X	X	X	X	X	X	X	
	IP50 transparent cap	1582151	QPD PSK 2,5	3+PE / 4	X	X	X	X	X	X	X	X			
	IP50 transparent cap	1404529	QPD PSK 5X2,5	4+PE	X	X	X	X	X	X	X	X			
	IP50 transparent cap - low profile	1404528	QPD QSK 5X2,5	4+PE	X	X	X	X	X	X	X	X			
	Black locking cap - IP66 / IP68 (2m/24hr) / IP69K	1277189	QPD QSK BK 4X2,5 FS LE	3+PE / 4	X	X	X	X	X	X	X	X			
	Black locking cap - IP66 / IP68 (2m/24hr) / IP69K	1404525	QPD QSK BK 5X2,5 FS	4+PE	X	X	X	X	X	X	X	X			
	Gray locking cap - IP66 / IP68 (2m/24hr) / IP69K	1404526	QPD QSK GY 5X2,5 FS	4+PE	X	X	X	X	X	X	X	X			
	Coding key	1425950	CP QPD 4X2,5	3+PE / 4	X	X	X	X	X	X	X	X		X	
	Coding key	1404530	CP-QPD 5X2,5	4+PE	X	X	X	X	X	X	X	X		X	
	Insulating sleeve for 4.8mm slip-on connector	1670497	PT/FS 4,8	Slip-on blade		X									
	Slip-on connector for 0.75-1.5mm ² / 18-16 AWG wire	3240155	C-SCF 1,5/4,8X0,8	3+PE/ 4 / 4+PE		X									
	Slip-on connector for 0.75-1.5mm ² / 18-16 AWG wire	3240537	C-SCFFI 1,5/4,8X0,8	3+PE/ 4 / 4+PE		X									
	Slip-on connector for 1.5-2.5mm ² / 16-14 AWG wire	3240540	C-SCFFI 2,5/4,8X0,8	3+PE/ 4 / 4+PE		X									
	Levering tool for releasing locking knurl	1679728	Q-LEVER	4+PE										X	
	Shield management foil	1404531	ALU-SB	3+PE/ 4 / 4+PE	X	X	X	X	X	X	X	X		X	
	Marking label - flexible	0819453	EMLP (13X9)R	3+PE/ 4 / 4+PE	X	X	X	X	X	X	X	X		X	
	Marking label - rigid	0806932	GPE 13X 9 WH	3+PE/ 4 / 4+PE	X	X	X	X	X	X	X	X		X	

QUICKON Power distribution 1.5mm² system

Technical characteristics, QPD 1.5mm ² system	
QUICKON IDC terminations	0.5-1.5 mm ² / 20-16 AWG
Electrical - IEC	17.5 A / 690 V
Electrical - UL	8 A / 600 V / 5kA SCCR / UL File E468743.PVVA
Temperature range	-40 °C - 100 °C
Protection	IP66 / IP68 (2m/24hr) / IP69K
Impact strength	IK07
Flammability	UL 94 V0


Connector type	Termination/ connection style	QUICKON nuts included (1)	Positions																			
			2+PE		3	3+PE		4+PE		5												
			Cable OD (mm)																			
			5 - 9.5	10 - 13	5 - 9.5	5 - 9.5	10 - 13	6 - 10	10 - 14	6 - 11	5 - 10	9 - 14										
Feed-through connectors	QPD W... (mm)... Litz wires (16 AWG / 1.5mm ²)	0.35mm	M20	0		1419429																
			M25	0																		
			M20	0	1414690			1414681														
			M25	1	1414684	1414687		1414675	1414678				1419636 (3)									
			M20	0								1414736										
			M25	1								1414730	1414733									
	QPD W... FC... Slip-on blades(2) 4.8x0.8mm blades	0.5mm	1.0mm	M20	0	1414691			1414682													
				M25	1	1414685	1414688		1414676	1414679												
				M20	0								1414737									
				M25	1								1414731	1414734								
				M20	0	1414692			1414683		1414738											
				M25	1	1414686	1414689		1414677	1414680	1414732	1414735										
In-line connectors	QPD C...	QUICKON IDC	M20	1	1414699	1414701		1414694	1414697	1414739	1414741											
			M25	2	1414700	1414702		1414696	1414698	1414740	1414742											
T-Distributors	QPD T...	QUICKON IDC - 1 Input / 2 Outputs	M20	2	1414711	1414713		1414707	1414709	1414751	1414752											
			M25	3	1414712	1414714		1414708	1414710	1414753	1414754											
H-Distributors	QPD H...	QUICKON IDC - 1 Input / 3 Outputs	M20	0	1414721			1414717		1414757												
			M25	4	1414719	1414720		1414715	1414716	1414755	1414756											
QUICKON nuts	QPD N...	QUICKON nuts for connectors without nuts	M20	1	1415099	1415100		1415097	1415098	1415101	1415104											
Plug connectors	QPD P...	Tool-free unlocking	M20	1	1414705	1414706	1419424	1414703	1414704	1414749	1414750				1419505	1419423						


Notes: (1) - Purchase additional QUICKON nuts separately.
 (2) - Purchase slip-on sleeve connectors separately.
 (3) - Cable OD = 6-11mm; IDC termination = 1.0-2.5mm² / 16-14AWG.


QUICKON Power distribution 1.5mm² system






Description	Item number	Designation	Accessories								
			Connector positions	For use with							
				QPD W...(mm)	QPD W...FC	QPD C	QPD T	QPD H	QPD N	QPD P	
 M20 flat counter nut	1586099	Q-MU-M20 BK	2+PE / 3 / 3+PE / 4+PE	X	X						
 M25 flat counter nut	1640715	Q-MU M25	4+PE / 5	X	X						
 IP50 yellow cap	1414724	QPD PSK 3/4X1,5	2+PE / 3 / 3+PE	X	X	X	X	X			
 IP50 yellow cap	1414759	QPD PSK 5X1,5	4+PE / 5	X	X	X	X	X			
 IP50 yellow cap	1414723	QPD QSK 3/4X1,5	2+PE / 3 / 3+PE	X	X	X	X	X			
 IP50 transparent cap	1414758	QPD QSK 5X1,5	4+PE / 5	X	X	X	X	X			
 Black locking cap - IP66 / IP68 (2m/24hr) / IP69K	1414722	QPD QSK BK 3/4X1,5 FS	2+PE / 3 / 3+PE	X	X	X	X	X			
 Black locking cap - IP66 / IP68 (2m/24hr) / IP69K	1414728	QPD QSK BK 5X1,5 FS	4+PE / 5	X	X	X	X	X			
 Coding key	1414729	CP-QPD 3/4X1,5	2+PE / 3 / 3+PE	X	X	X	X	X			X
 Coding key	1414760	CP-QPD 5X1,5	4+PE / 5	X	X	X	X	X			X
 Insulating sleeve for 4.8mm slip-on connector	1670497	PT/FS 4,8	Slip-on blade		X						
 Slip-on Connector for 0.75- 1.5mm ² / 18-16 AWG wire	3240155	C-SCF 1,5/4,8X0,8	3+PE / 4 / 4+PE		X						
 Slip-on connector for 0.75- 1.5mm ² / 18-16 AWG wire	3240051	C-SCFI 1,5/4,8X0,8	3+PE / 4 / 4+PE		X						
 Slip-on connector for 0.75- 1.5mm ² / 18-16 AWG wire	3240537	C-SCFFI 1,5/4,8X0,8	3+PE / 4 / 4+PE		X						
 22mm slotted socket wrench	1670206	QSS 22	4+PE / 5	X	X	X	X	X	X	X	X
 Shield management foil	1404531	ALU-SB	2+PE / 3 / 3+PE / 4+PE / 5	X	X	X	X	X	X		X
 Marking label - flexible	0819453	EMLP (13X9)R	2+PE / 3 / 3+PE / 4+PE / 5	X	X	X	X	X	X		X
 Marking label - rigid	0806932	GPE 13X 9 WH	2+PE / 3 / 3+PE / 4+PE / 5	X	X	X	X	X	X		X

QUICKON Power distribution off-standard 0.34-1.5mm² connectors

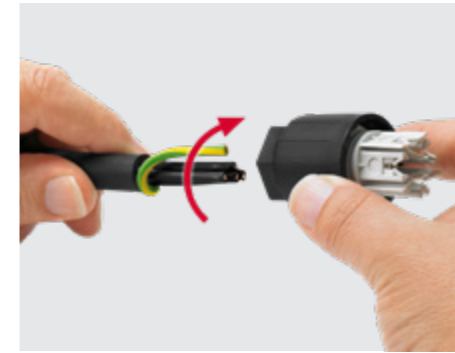
QPD In-line connectors - Shielded													
	Positions	Protocol	Speed	Wire size		QUICKON nuts included	Cable OD	IEC			Item number	Description	
				AWG	mm ²			Current	Voltage				
					Solid				Stranded				
	4	Cat5 Ethernet	100 Mbps	26 - 22	0.14 - 0.34	0.14 - 0.34	2	5 - 9.7	4 A	48 VAC	60 VDC	1414415	SACC-CC-4QO SH ETH
	4	Cat5 Profinet	100 Mbps	24 - 20	0.25 - 0.5	0.25 - 0.5	2	5 - 9.7	4 A	48 VAC	60 VDC	1414416	SACC-CC-4QO SH PN
	4			26 - 18	0.14 - 0.75	0.14 - 0.75	2	5 - 9.7	4 A	250 V		1414418	SACC-CC-4QO-0,75 SH
	5	Cat6a Ethernet	10 Gbps	26 - 18	0.14 - 0.75	0.14 - 0.75	2	5 - 9.7	4 A	60 V		1414417	SACC-CC-5QO-0,75 SH
	8			26 - 22	0.14 - 0.34	0.14 - 0.34	2	5 - 9.7	0.5 A	48 VAC	60 VDC	1414412	SACC-CC-8QO SH ETH
	8			24 - 20	0.25 - 0.5	0.25 - 0.5	2	5 - 9.7	0.5 A	50 VAC	60 VDC	1414413	SACC-CC-8QO SH PN
8	Cat6a Profinet	10 Gbps	26 - 20	0.14 - 0.5	0.14 - 0.5	2	5 - 9.7	2 A	30 V		1414612	SACC-CC-8QO-0,5 SH	

QPD In-line connectors for 22 AWG to 16 AWG														
	Positions	Wire size		QUICKON nuts included	Cable OD	IEC		UL				Item number	Description	
		AWG	mm ²			Current	Voltage	Current	Voltage	File	Category			
			Solid											Stranded
	4	26 - 22	0.14 - 0.25	0.14 - 0.34	2	3.5 - 6	5 A	125 V				1641879	Q 0,34/4IDC/16-16KU-KU BK	
	4	22 - 18	0.34 - 0.5	0.34 - 0.75	2	4 - 8	9 A	250 V	9 A	250 V	E118976	ECBT2	1642140	Q 0,75/4IDC/18-18KU-KU BK
	4	18 - 16	0.75 - 1.0	0.75 - 1.5	2	6 - 12	15 A	500 V	15 A	250 V	E118976	ECBT2	1642153	Q 1,5/4IDC/24-24KU-KU BK
	4	18 - 16	0.75 - 1.0	0.75 - 1.5	2	ASi x1/x2	15 A	500 V	15 A	250 V	E118976	ECBT2	1585058	Q 1,5/4IDC/24-24KU-KU-ASI-BK
	3+PE	18 - 16	0.75 - 1.0	0.75 - 1.5	2	6 - 12	15 A	500 V	15 A	250 V	E118976	ECBT2	1642182	Q 1,5/4IDC/24-24KU-KU BK PE

QPD Panel feed-through connectors																
	Positions	Wire size		QUICKON nuts included	Cable OD	Inside panel	Mounting	IEC		UL				Item number	Description	
		AWG	mm ²					Current	Voltage	Current	Voltage	File	Category			
			Solid													Stranded
	4	18 - 16	0.75 - 1.0	0.75 - 1.5	1	6 - 12	0.1m Litz wire	M20	15 A	500 V				1584787	Q 1,5/4A10/24-M20KU-ESA BK PE	
	4	18 - 16	0.75 - 1.0	0.75 - 1.5	1	6 - 12	0.5m Litz wire	M20	15 A	500 V	15 A	250 V	E118976	ECBT2	1585045	Q 1,5/4A50/24-M20KU-ESA-BK
	4	18 - 16	0.75 - 1.5		1	ASi x1/x2	Slip-on blades	M20	15 A	500 V	15 A	250 V	E118976	ECBT2	1437261	Q 1,5/4FL/24-M20KU-ESA-ASI BK
	4	18 - 16	0.75 - 1.5		1	ASi x1/x2	0.5m Litz wire	M20	15 A	500 V	15 A	250 V	E118976	ECBT2	1437274	Q 1,5/4A50/24-M20KU-ESA-ASI BK

Accessories						
Description	Item number	Designation	For use with			
			SACC-CC	Q 0,34	Q 0,75	Q 1,5
 Shield management foil	1404531	ALU-SB	X	X	X	X
 13mm torque driver	1212224	TSD-M 1,2NM		X		
	1212600	TSD-M SAC-BIT ADAPTER				
	1212033	SAC BIT QUICKON-W13				
 15mm slotted socket wrench 19mm slotted socket wrench	1641992	QSS 15	X			
	1670895	QSS 19			X	X
 Insulating sleeve for 4.8mm slip-on connector	1670497	PT/FS 4,8				X
 Slip-on connector for 0.75-1.5mm ² / 18-16 AWG wire	3240155	C-SCF 1,5/4,8X0,8				X
	3240051	C-SCFI 1,5/4,8X0,8				X
	3240537	C-SCFFI 1,5/4,8X0,8				X

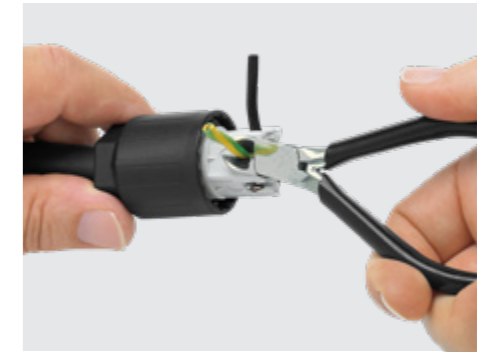
Secure connection in just a few steps



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 secured so 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

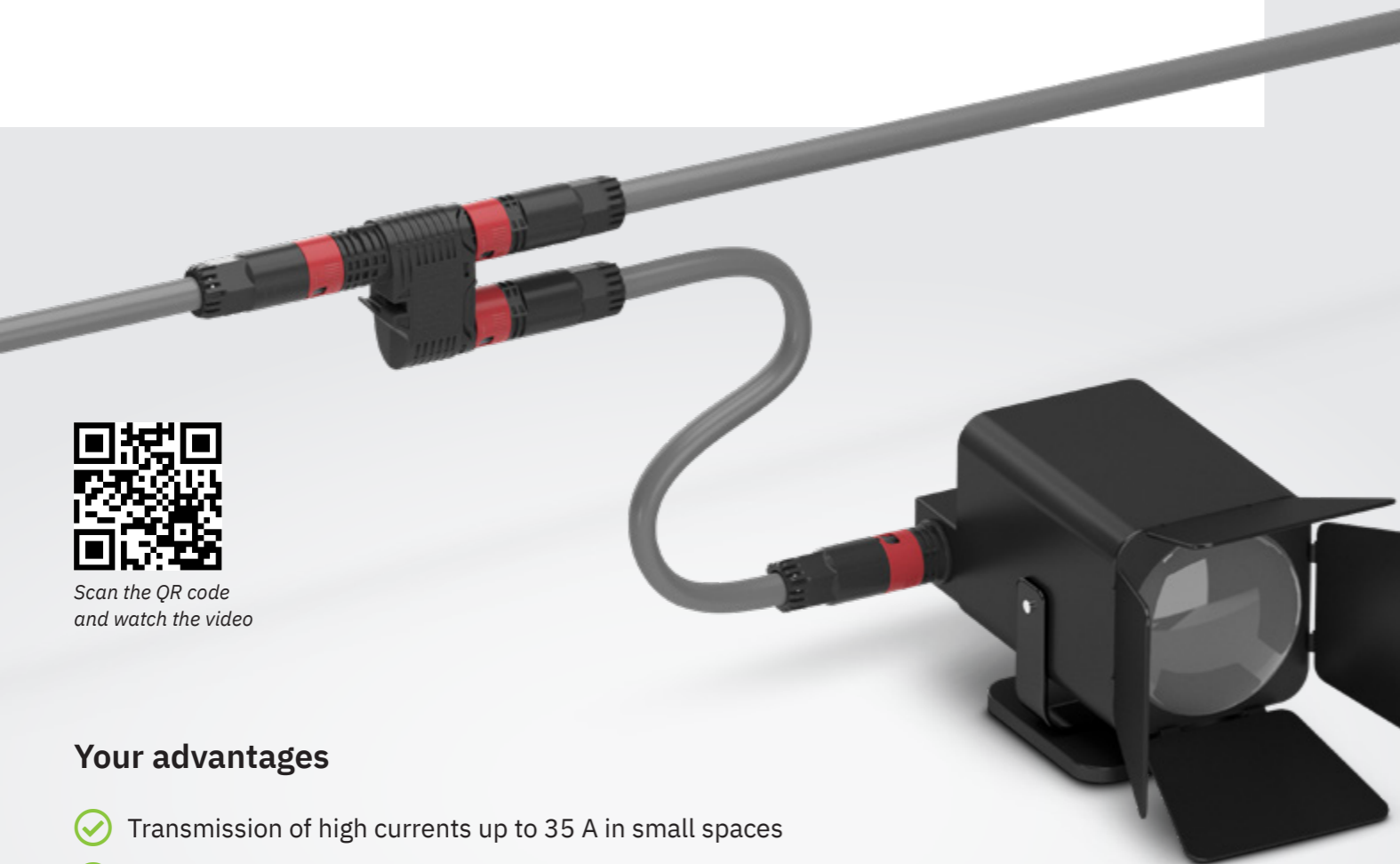


3. Connection to the conductor is gas-tight

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 small spaces
- ✔ 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 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.

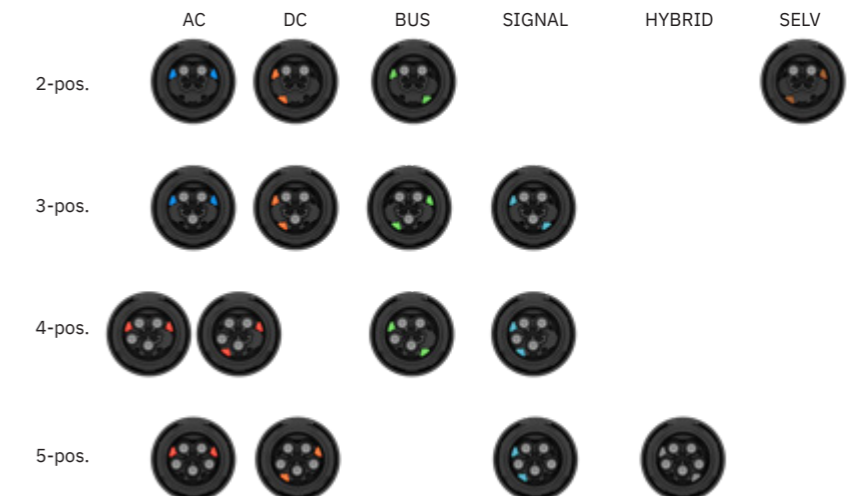


Robust signal transmission

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 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		Bus		Signal		Hybrid		SELV	
Connection technology		Screw	Crimp	Screw	Crimp	Screw	Crimp	Screw	Crimp	Screw	Crimp	Screw	Crimp	Screw	Crimp
2-pos.	Female	1313275	1468364	-	-	1313277	1468368	1313280	1468370	-	-	-	-	1313283	1468372
	Male	1313274	1468362	-	-	1313276	1468365	1313278	1468369	-	-	-	-	1313281	1468371
3-pos.	Female	1313300	1468374	-	-	1313304	1468376	1313312	1468383	1313309	1468380	-	-	-	-
	Male	1313299	1468373	-	-	1313302	1468375	1313310	1468381	1313306	1468378	-	-	-	-
4-pos.	Female	1308634	1468384	1309414	1468391	-	-	1308638	1468389	1308636	1468387	-	-	-	-
	Male	1308633	1468360	1309413	1468390	-	-	1308637	1468388	1308635	1468385	-	-	-	-
5-pos.	Female	1308652	1468393	-	-	1309418	1468400	-	-	1308656	1468396	1308659	1468398	-	-
	Male	1308648	1468392	-	-	1309417	1468399	-	-	1308654	1468394	1308658	1468397	-	-

Installation connectors															
Area of application		AC		AC without PE		DC		Bus		Signal		Hybrid		SELV	
Connection technology		Screw	Crimp	Screw	Crimp	Screw	Crimp	Screw	Crimp	Screw	Crimp	Screw	Crimp	Screw	Crimp
2-pos.	Female	1313288	1468403	-	-	1313291	1468409	1313293	1468412	-	-	-	-	1313295	1468414
	Male	1313285	1468402	-	-	1313290	1468408	1313292	1468410	-	-	-	-	1313294	1468416
3-pos.	Female	1313316	1468419	-	-	1313318	1468422	1313325	1468426	1313321	1468424	-	-	-	-
	Male	1313314	1468417	-	-	1313317	1468420	1313323	1468425	1313320	1468423	-	-	-	-
4-pos.	Female	1308640	1468442	1309416	1468449	-	-	1308646	1468446	1308642	1468444	-	-	-	-
	Male	1308639	1468441	1309415	1468448	-	-	1308644	1468445	1308641	1468443	-	-	-	-
5-pos.	Female	1308661	1468453	-	-	1309421	1468460	-	-	1308663	1468455	1308665	1468458	-	-
	Male	1308660	1468451	-	-	1309419	1468459	-	-	1308662	1468454	1308664	1468457	-	-

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	

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 in 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 work 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 especially 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

Open communication with customers and partners worldwide

Phoenix Contact is a global market leader based in Germany. We are known for producing forward-thinking products and solutions for the comprehensive electrification, networking, and automation of all sectors of the economy and infrastructure. With a global network, we maintain close relationships with our customers, something we believe is essential for our common success.

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