



# M12 cabling for power applications

A great deal of power in a small amount of space

# M12 POWER cabling

## Maximum power in a compact size

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 power transmission in the compact M12 design. The innovative cabling system provides maximum power in an extremely space-saving size. With connectors for assembly, power cables, and distributors, we provide the ideal solution for any application thanks to our uniform product range.

### Your advantages

- ✓ High power transmission in DC or AC applications up to 16 A and 690 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



### Easy power transmission

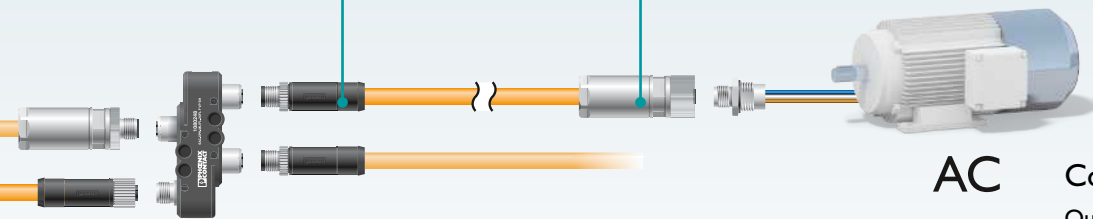
Choose from a range of assembled versions and cable qualities.

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### Flexible field cabling

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

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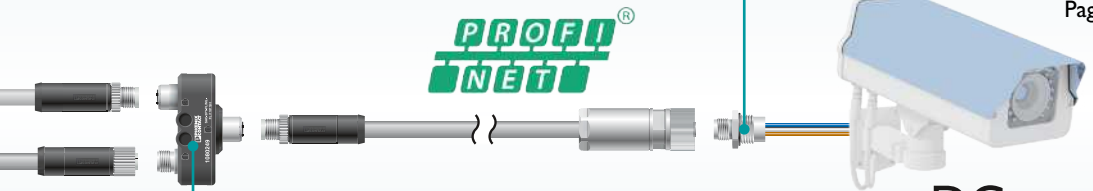


AC

### Cost-effective design-in

Our M12 POWER device connectors enable a consistent architecture.

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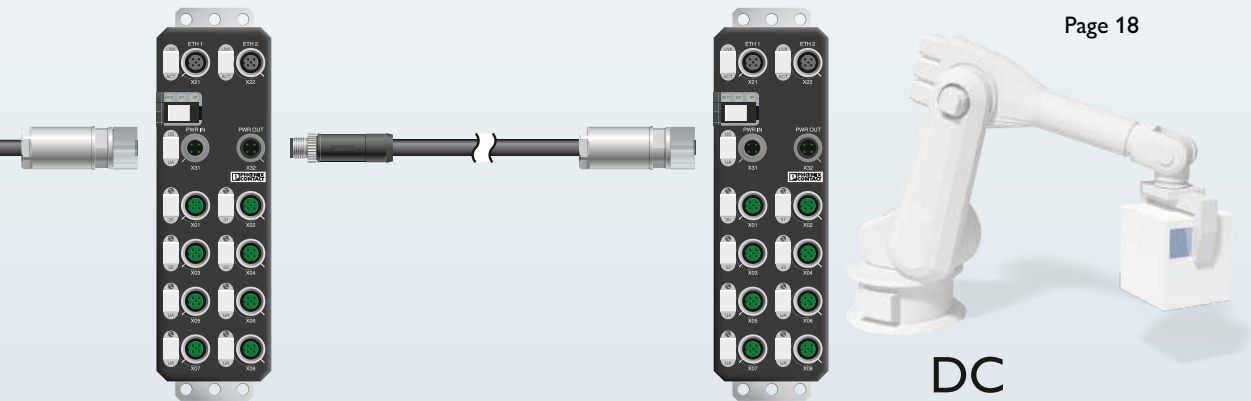


DC


### Clear power distribution

With the M12 POWER distributors, you can bundle and distribute power easily and clearly.

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DC



# M12 POWER cables

## Reliably supplying motors and devices

Choose from a range of assembled versions and cable qualities. With straight and angled designs in both shielded and non-shielded versions, we provide the right connector and the appropriate corresponding cable for every demand. The power cables are available in PUR and PVC, and in cross sections from 1.5 to 2.5 mm<sup>2</sup>.

### Your advantages

- ✓ PE connection to the metallic conducting M12 knurl ensures reliable protection against electric shocks
- ✓ Exceedingly robust: Resistant against vibration, UV and ozone, extended temperature range
- ✓ Safe use with high degrees of protection
- ✓ Reliable EMC protection with optional 360° shielding
- ✓ Perfectly fitting cabling with customer-specific versions

# Totally protected shielding



**Advanced Shielding Technology**<sup>®</sup>  
Designed by PHOENIX CONTACT

## Seamless shielding concept

In the automated production process of connectors with Advanced Shielding Technology, the pre- and metal moldings ensure improved shielding performance. The connector is reliably secured to the conductor during an initial plastic overmold process. In the second overmold process with special tin, the seamless connection between the braided shield and plug creates a secure 360° shield connection.



## Totally protected

Thanks to the minimal generation of heat and the reliable flow of current in the event of a short circuit, the large-area 360° shielding ensures greater safety and reduces the risk of fire.



## Totally reliable

Shock and vibration-resistant shield connection even at the highest mechanical loads in torsion, drag chain or robotics applications.



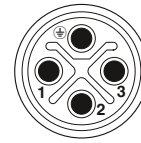
## Totally resistant and robust


The robust connectors are resistant to transient overvoltages caused by the switching processes of inductive loads and can even withstand lightning currents of up to 20 kA.

# M12 POWER cables, AC applications

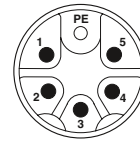
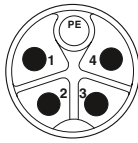
Simply enter the web code into the search field on our website:

 Web code: #1081



		2-pos.+PE, S-coded		3-pos.+PE, S-coded			
		230 V, 16 A		690 V, 12 A			
		Unshielded, 1.5 mm <sup>2</sup>		Unshielded, 1.5 mm <sup>2</sup>		Shielded, 1.5 mm <sup>2</sup>	
		Male	Female	Male	Female	Male	Female
<b>Straight design with free cable end, PUR</b>							
	1 m	1175827	1176479	1408835	1408843		
	1.5 m					1424104	1424096
	2 m	1175867	1176842	1408836	1408844		
	3 m					1424105	1424097
	5 m	1175870	1176846	1408837	1408845	1424245	1424098
	10 m	1175908	1176849	1408838	1408846	1424107	1424099
<b>Angled design with free cable end, PUR</b>							
	1 m	1176043	1176857	1408839	1408848		
	1.5 m					1424108	1424100
	2 m	1176069	1176867	1408840	1408852		
	3 m					1424109	1424101
	5 m	1176084	1176919	1408841	1408853	1424110	1424102
	10 m	1176440	1176935	1408842	1408854	1424111	1424103
<b>Straight design with free cable end, PVC</b>							
	1 m	1411636	1411644				
	1.5 m						
	2 m	1411637	1411645				
	3 m						
	5 m	1411638	1411646				
	10 m	1411639	1411647				
<b>Angled design with free cable end, PVC</b>							
	1 m	1411640	1411648				
	1.5 m						
	2 m	1411641	1411649				
	3 m						
	5 m	1411642	1411650				
	10 m	1411643	1411651				

Corresponding accessories and tools are to be found on the respective product page at [phoenixcontact.com](http://phoenixcontact.com)



**4-pos.+PE, K-coded**

**5-pos.+PE, M-coded**

**690 V, 16 A**

**690 V, 8 A**

**Unshielded, 2.5 mm<sup>2</sup>**

**Shielded, 2.5 mm<sup>2</sup>**

**Unshielded, 1.5 mm<sup>2</sup>**

**Shielded, 1.5 mm<sup>2</sup>**

Male	Female	Male	Female	Male	Female	Male	Female
------	--------	------	--------	------	--------	------	--------

1414866	1414770	1414867	1414771	1414949	1414901	1414950	141902
1414870	1414788	1414871	1414789	1414953	1414910	1414954	1414911
1414875	1414804	1414876	1414805	1414957	1414918	1414958	1414919
1414879	1414821	1414880	1414822	1414961	1414926	1414962	1414927

1414833	1414766	1414834	1414767	1414932	1414899	1414933	1414900
1414837	1414784	1414838	1414785	1414936	1414907	1414937	1414908
1414841	1414800	1414842	1414801	1414941	1414916	1414942	1414917
1414846	1414817	1414847	1414818	1414945	1414924	1414946	1414925

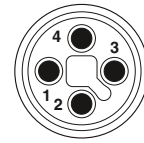
1414868	1414780			1414951	1414905	1414952	1414906
1414872	1414796			1414955	1414914	1414956	1414915
1414877	1414812			1414959	1414922	1414960	1414923
1414881	1414829			1414963	1414930	1414964	1414931

1414835	1414774			1414934	1414903	1414935	1414904
1414839	1414792			1414939	1414912	1414940	1414913
1414843	1414808			1414943	1414920	1414944	1414921
1414848	1414825			1414947	1414928	1414948	1414929

# M12 POWER cables, DC applications

Simply enter the web code into the search field on our website:

 Web code: #1081



**4-pos., T-coded**

**63 V, 12 A**

**Unshielded, 1.5 mm<sup>2</sup>**

**Shielded, 1.5 mm<sup>2</sup>**

**Male**

**Female**

**Male**

**Female**

## Straight design with free cable end, PUR



1 m	1408812	1408823		
1.5 m			1424120	1424112
2 m	1408813	1408824		
3 m			1424121	1424113
5 m	1408814	1408825	1424122	1424114
10 m	1408815	1408826	1424123	1424115

## Angled design with free cable end, PUR



1 m	1408816	1408827		
1.5 m			1424124	1424116
2 m	1408819	1408828		
3 m			1424125	1424117
5 m	1408820	1408829	1424126	1424118
10 m	1408822	1408830	1424127	1424128

## Straight design with straight female, PUR



0.3 m				
0.6 m				
1 m	1408808			
1.5 m				
2 m	1408809			
3 m				
5 m	1408810			
10 m	1408811			

## Straight design with free cable end, PVC



1 m	1089952	1089970		
1.5 m				
2 m	1089953	1089971		
3 m				
5 m	1089955	1089972		
10 m	1089956	1408826		

## Angled design with free cable end, PVC



1 m	1089958	1089977		
1.5 m				
2 m	1089961	1089981		
3 m				
5 m	1089965	1089984		
10 m	1089968	1089987		

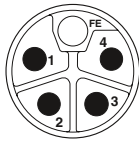
## Straight design with straight female, PVC



0.3 m				
0.6 m				
1 m	1089988			
1.5 m				
2 m	1089997			
3 m				
5 m	1089998			
10 m	1089973			

Corresponding accessories and tools are to be found on the respective product page at [phoenixcontact.com](http://phoenixcontact.com)





**PROPH<sup>®</sup>**  
**NET**

**4-pos.+FE, L-coded**

**63 V, 16 A**

**Unshielded, 2.5 mm<sup>2</sup>**

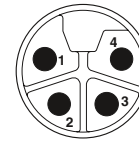
**Unshielded, 1.5 mm<sup>2</sup>**

**Male**

**Female**

**Male**

**Female**



**PROPH<sup>®</sup>**  
**NET**

**4-pos., L-coded**

**63 V, 16 A**

**Unshielded, 2.5 mm<sup>2</sup>**

**Unshielded, 1.5 mm<sup>2</sup>**

**Male**

**Female**

**Male**

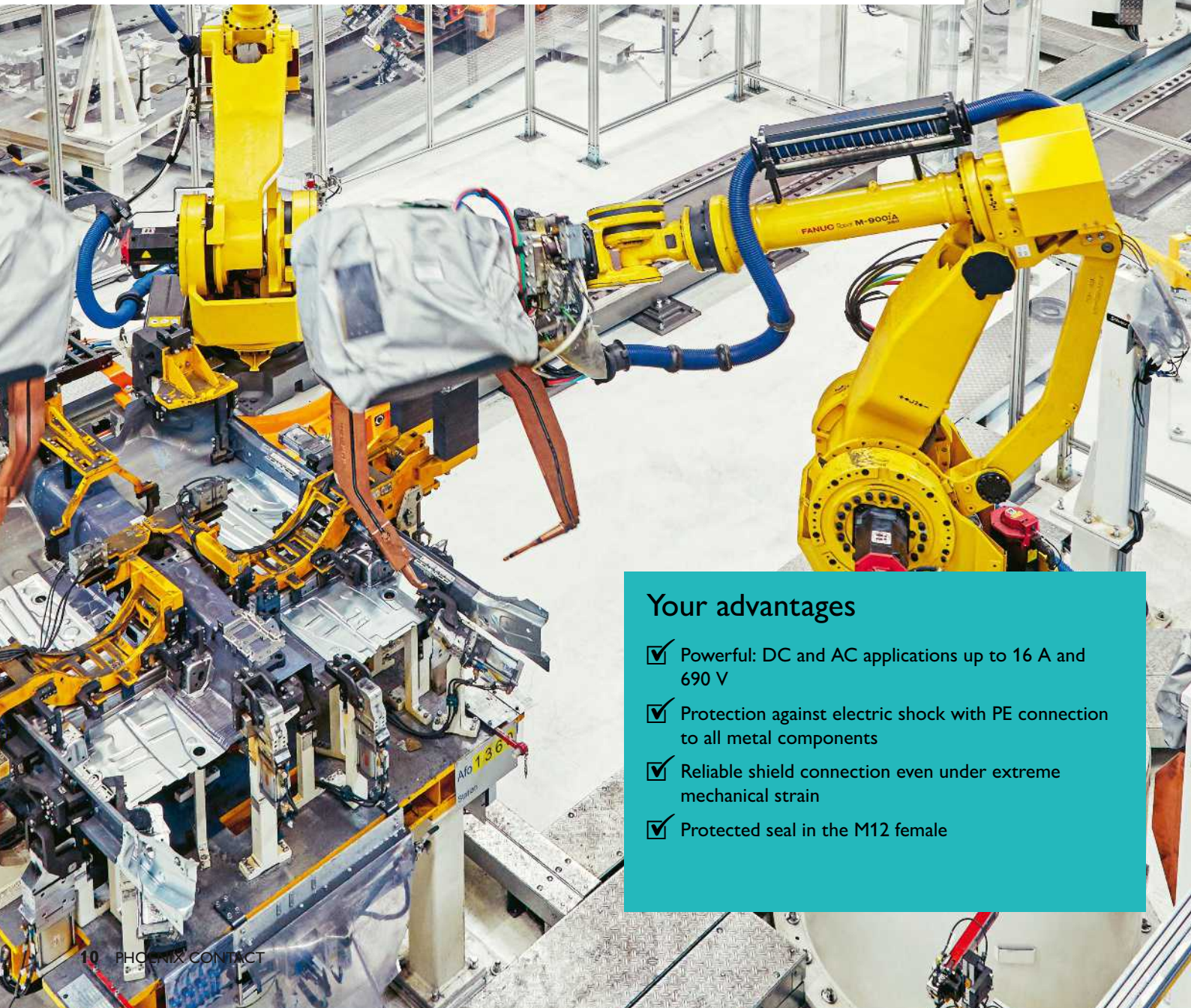
**Female**

1414883	1414772	1424593	1424601	1425065	1425073	1425025	1425033
1414887	1414790	1424594	1424602	1425066	1425074	1425026	1425034
1414891	1414806	1424595	1424603	1425067	1425075	1425027	1425035
1414895	1414823	1424596	1424604	1425068	1425076	1425028	1425036
1414850	1414768	1424597	1424605	1425069	1425077	1425029	1425037
1414854	1414786	1424598	1424606	1425070	1425078	1425030	1425038
1414858	1414802	1424599	1424607	1425071	1425079	1425031	1425039
1414862	1414819	1424600	1424608	1425072	1425080	1425032	1425040
1425009		1425017		1425081		1425041	
1425010		1425018		1425082		1425042	
1425011		1425019		1425083		1425043	
1424012		1425020		1425084		1425044	
1414885	1414782	1424609	1424617	1425085	1425093	1425045	1425053
1414889	1414798	1424610	1424618	1425086	1425094	1425046	1425054
1414893	1414814	1424611	1424619	1425087	1425095	1425047	1425055
1414897	1414831	1424612	1424620	1425088	1425096	1425048	1425056
1414852	1414777	1424613	1424621	1425089	1425097	1425049	1425057
							1425058
1414856	1414794	1424614	1424622	1425090	1425098	1425050	
1414860	1414810	1424615	1424623	1425091	1425099	1425051	1425059
1414864	1414827	1424616	1424624	1425092	1425100	1425052	1425060
1425013		1425021		1425101		1425061	
1425014		1425022		1425102		1425062	
1425015		1425023		1425103		1425063	
1425016		1425024		1425104		1425064	

# M12 POWER connectors

## Flexible field cabling

You can 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 compact crimp connection.



### Your advantages

- ✓ Powerful: DC and AC applications up to 16 A and 690 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



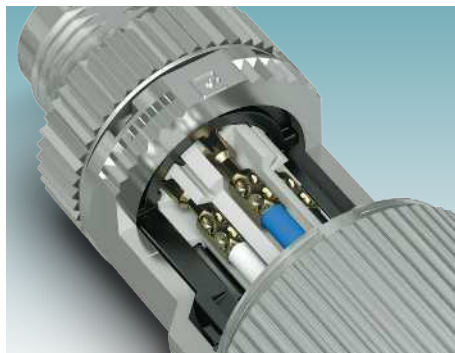
## Push-Lock connection

Wire rigid and flexible conductors easily and without tools with the Push-Lock connection. The clamping chambers are opened and closed easily via a lever. This means the user has both hands free to insert the conductor, and installation is simplified significantly. The color-coding and numerical marking simplifies the assignment of the individual litz wires.



## Push-Lock connection

The Push-Lock technology enables fast and convenient power cabling without tools. The proven spring-force technology 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 railway applications.





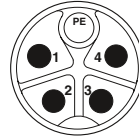



## Screw connection

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

# M12 POWER connectors, AC applications

Simply enter the web code into the search field on our website:

 **Web code:** #0252

									
		2-pos.+PE, S-coded		3-pos.+PE, S-coded		4-pos.+PE, K-coded			
		230 V, 16 A		690 V, 12 A		690 V, 16 A			
		Male	Female	Male	Female	Male	Female		
<b>Push-Lock connection, 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, shielded</b>									
		Straight design		1080225	1080227	1080220	1080222	1080231	1080228
<b>Crimp connection, 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, shielded</b>									
		Straight design		1027467	1027469	1027467	1027469	1027474	1027476
<b>Crimp contacts</b>									
		1.5 mm <sup>2</sup>	1029394	1029395	1029394	1029395	1029394	1029396	
		2.5 mm <sup>2</sup>	1029388	1029390	1029388	1029390	1029388	1029392	
		PE male, 1.5 mm <sup>2</sup>	1029398		1029398			1029398	
		PE male, 2.5 mm <sup>2</sup>	1029389		1029389			1029389	
		PE female, 1.5 mm <sup>2</sup>		1029400		1029400	1029401		
		PE female, 2.5 mm <sup>2</sup>		1029391		1029391	1029393		
<b>Screw connection, 0.75 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, unshielded</b>									
		Straight design		1419639	1419640	1404641	1404642		
		Angled design		1419641	1419642	1408985	1408987		

Corresponding accessories and tools are to be found on the respective product page at [phoenixcontact.com](http://phoenixcontact.com)

# M12 POWER connectors, DC applications

<p>Simply enter the web code into the search field on our website:   Web code: #0252</p>								
		<b>4-pos., T-coded</b>		<b>4-pos.+FE, L-coded</b>		<b>4-pos., L-coded</b>		
		<b>63 V, 12 A</b>		<b>63 V, 16 A</b>		<b>63 V, 16 A</b>		
		<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>	
<b>Push-Lock connection, 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, unshielded</b>								
		Straight design	1151362	1151366	1151368	1151390		
<b>Push-Lock connection, 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, shielded</b>								
		Straight design	1080215	1080218	1080235	1080233	1080239	1080237
<b>Crimp connection, 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, shielded</b>								
		Straight design	1027465	1027466	1027477	1027478	1027479	1027480
<b>Crimp contacts</b>								
		1.5 mm <sup>2</sup>	1029394	1029395	1029394	1029396	1029394	1029396
		2.5 mm <sup>2</sup>	1029388	1029390	1029388	1029392	1029388	1029392
		PE male, 1.5 mm <sup>2</sup>	1029398			1029398		
		PE male, 2.5 mm <sup>2</sup>	1029389			1029389		
		PE female, 1.5 mm <sup>2</sup>		1029400	1029401			
		PE female, 2.5 mm <sup>2</sup>		1029391	1029393			
<b>Screw connection, 0.75 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, unshielded</b>								
		Straight design	1404643	1404644				
		Angled design	1408988	1408989				

Corresponding accessories and tools are to be found on the respective product page at phoenixcontact.com

# M12 POWER device connectors

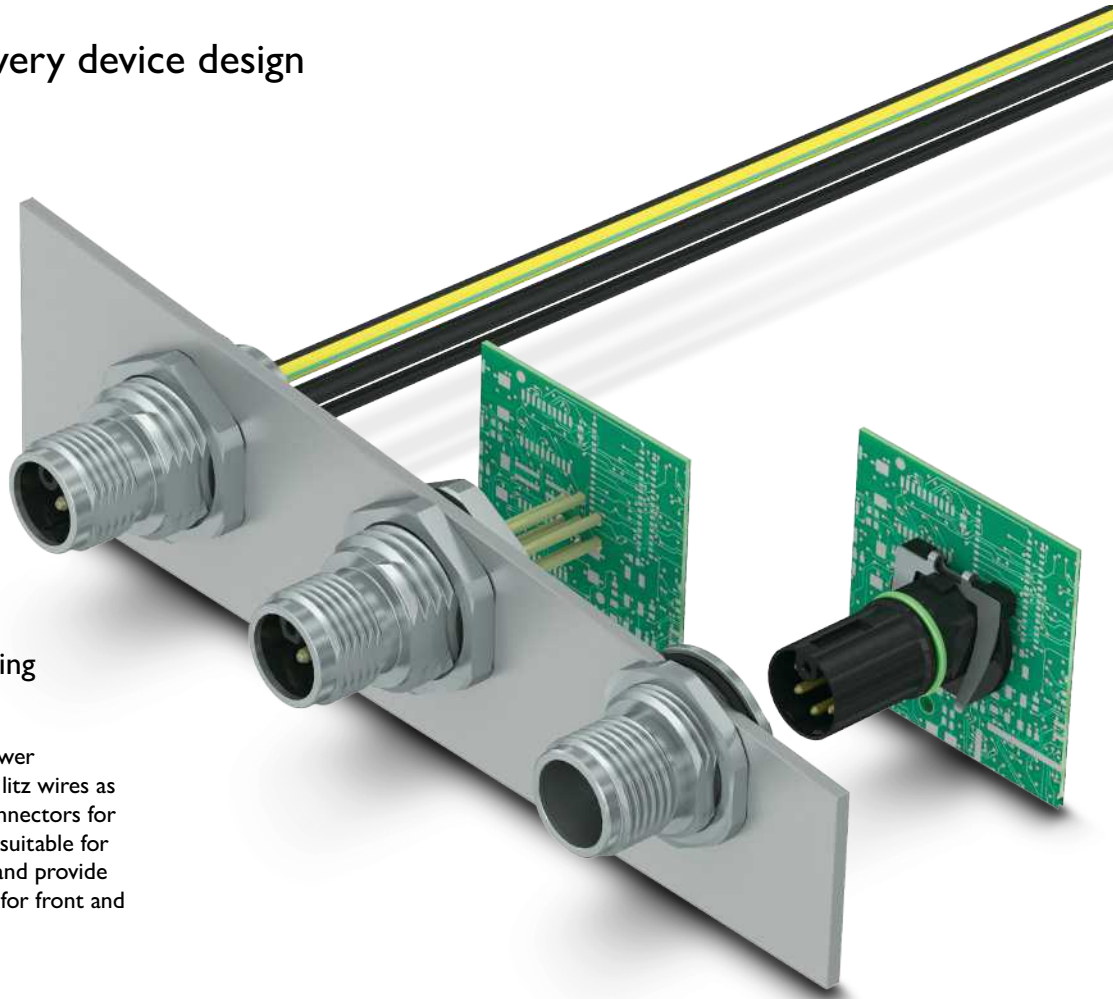
## Cost-effective design-in

The more versatile the connection solutions, the more flexibly you can develop your devices. Our unique range of device connectors features the ideal solution for every application. Device connection technology from Phoenix Contact for distributed modules is designed for harsh ambient conditions in industrial production processes.

### Your advantages

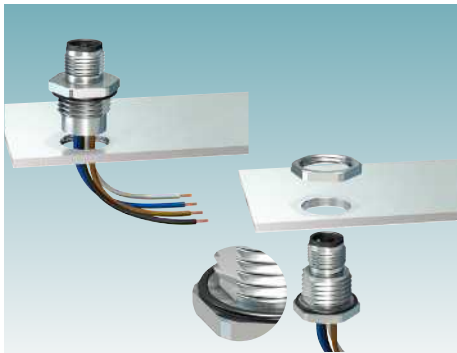
- ✓ More flexibility in device design with numerous pin assignments and codings
- ✓ Fast device approval with connection components complying with the VDE/cUL standard
- ✓ Easy integration into automated production processes with standardized tape-on-reel or tray packaging
- ✓ Optional shield connection

# The right solution for every device design



## Versatile connection and mounting solutions

Our range of flush-type connectors for power connections includes plug-in versions with litz wires as well as one-piece and two-piece device connectors for direct PCB mounting. The connectors are suitable for wave, THR, and SMT soldering processes and provide uniform mechanical installation conditions for front and rear mounting.



## Safe mounting

Choose between front and rear mounting. XL housing versions simplify the device cutout. Increased safety and tightness of seal with tightening limitation.



## Easy positioning

Markings on the panel feed-throughs and connectors specify the cable outlet direction, thus enabling easy positioning.



## Reliable protection of the electronics

Integrated seals protect the device electronics, even when connectors are not plugged in.

# M12 POWER device connectors, AC applications

<p>Simply enter the web code into the search field on our website:</p> <p><b>i</b> Web code: #0240</p>									
	<b>2-pos.+PE, S-coded</b>		<b>3-pos.+PE, S-coded</b>		<b>4-pos.+PE, K-coded</b>		<b>5-pos.+PE, M-coded</b>		
	<b>630 V, 16 A</b>		<b>630 V, 12 A</b>		<b>630 V, 16 A</b>		<b>630 V, 8 A</b>		
	<b>Unshielded</b>		<b>Unshielded</b>		<b>Unshielded</b>		<b>Unshielded</b>		
	<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>	
<b>Front mounting with square flange, contact carrier with litz wires</b>									
	0.5 m			1424129					
	25 mm square flange			1424131					
<b>Front mounting with M16 fastening thread, contact carrier with litz wires</b>									
	0.5 m	1411655	1411654	1424139	1424137				
	XL version, 0.5 m			1411607	1411605				
	XL version AWG 16, 0.2 m					1425635	1425636		
	XL version 2.5 mm <sup>2</sup> , 0.2 m					1415291	1415292	1415300	1415301
	M16 flat nut	1504097	1504097	1504097	1504097	1504097	1504097	1504097	1504097
<b>Rear mounting with M16 fastening thread, contact carrier with litz wires</b>									
	0.5 m	1411653	1411652	1424132	1424133				
	XL version, 0.5 m			1411603	1411598				
	XL version AWG 16, 0.2 m					1425637	1425638		
	XL version 2.5 mm <sup>2</sup> , 0.2 m					1415293	1415294	1415302	1415303
<b>Solder connection, THR contact carrier</b>									
	Blister pack			1406410	1406409				
	Tape-on-reel <sup>1)</sup>			1418343	1418344	1420830	1420831	1420832	1420833
	Tray pack <sup>1)</sup>					1420819	1420821	1420822	1420823
<b>Housing screw connection for THR contact carriers</b>									
	Front mounting screw fastening, M12	1416145 <sup>3)</sup>	1416144 <sup>3)</sup>	1416145 <sup>3)</sup>	1416144 <sup>3)</sup>				
	Front mounting screw fastening, M14	1417984 <sup>4)</sup>	1417989 <sup>4)</sup>	1417984 <sup>4)</sup>	1417989 <sup>4)</sup>	1420824 <sup>4)</sup>	1420825 <sup>4)</sup>	1420824 <sup>4)</sup>	1420825 <sup>4)</sup>
	Flat nut M14	1412077	1412077	1412077	1412077	1412077	1412077	1412077	1412077
	Rear mounting screw fastening, M15					1420826 <sup>2)</sup>	1420827 <sup>2)</sup>	1420826 <sup>2)</sup>	1420827 <sup>2)</sup>
	Front mounting press-in version	1437892 <sup>4)</sup>	1437889 <sup>4)</sup>	1437892 <sup>4)</sup>	1437889 <sup>4)</sup>				

<sup>1)</sup> Contact carrier with assembly pad

<sup>2)</sup> 6 mm clearance between PCB upper edge and housing front plate inner edge

<sup>3)</sup> 7.5 mm clearance between PCB upper edge and housing front plate outer edge

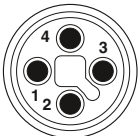
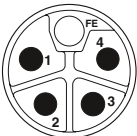
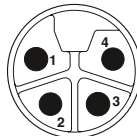
<sup>4)</sup> 9 mm clearance between PCB upper edge and housing front plate outer edge

<sup>5)</sup> PROFINET-specified

\* The T-coding is also available with SMD contact carrier and the L-coding is also available for wave soldering processes.



# M12 POWER device connectors, DC applications

				 <b>PROFI</b> <b>NET</b>				 <b>PROFI</b> <b>NET</b>			
4-pos., T-coded*				4-pos.+FE, L-coded*				4-pos., L-coded*			
63 V, 12 A				63 V, 16 A				63 V, 16 A			
Unshielded		Shielded		Unshielded		Shielded		Unshielded		Shielded	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1424130											
1424131											
1424140	1424138										
1411608	1411606										
				1425627 <sup>5)</sup>	1425628 <sup>5)</sup>			1425631 <sup>5)</sup>	1425632 <sup>5)</sup>		
				1415295 1425582 <sup>5)</sup>	1415296 1425583 <sup>5)</sup>			1425586 <sup>5)</sup>	1425587 <sup>5)</sup>		
1504097	1504097			1504097	1504097			1504097	1504097		
1424136	1424134										
1411604	1411599										
				1425629 <sup>5)</sup>	1425630 <sup>5)</sup>			1425633	1425634		
				1415297 1425584 <sup>5)</sup>	1415299 1425585 <sup>5)</sup>			1425588	1425589		
1406396	1406411	1406397	1406412								
1418339	1418340	1418341	1418342	1420828 1425599 <sup>5)</sup>	1420829 1425600 <sup>5)</sup>	1421317 1425601 <sup>5)</sup>	1421318 1425602 <sup>5)</sup>	1425605 <sup>5)</sup>	1425606 <sup>5)</sup>	1425641 <sup>5)</sup>	1425642 <sup>5)</sup>
				1420817 1425594 <sup>5)</sup>	1420818 1425595 <sup>5)</sup>	1421314 1425597 <sup>5)</sup>	1421315 1425598 <sup>5)</sup>	1425603 <sup>5)</sup>	1425604 <sup>5)</sup>	1425639 <sup>5)</sup>	1425640 <sup>5)</sup>
1416145 <sup>3)</sup>	1416144 <sup>3)</sup>	1416145 <sup>3)</sup>	1416144 <sup>3)</sup>								
1417984 <sup>4)</sup>	1417989 <sup>4)</sup>	1417984 <sup>4)</sup>	1417989 <sup>4)</sup>	1420824 <sup>4)</sup>	1420825 <sup>4)</sup>	1420824 <sup>4)</sup>	1420825 <sup>4)</sup>	1420824 <sup>4)</sup>	1420825 <sup>4)</sup>	1420824 <sup>4)</sup>	1420825 <sup>4)</sup>
1412077	1412077	1412077	1412077	1412077	1412077	1412077	1412077	1412077	1412077	1412077	1412077
				1420826 <sup>2)</sup>	1420827 <sup>2)</sup>	1420826 <sup>2)</sup>	1420827 <sup>2)</sup>	1420826 <sup>2)</sup>	1420827 <sup>2)</sup>	1420826 <sup>2)</sup>	1420827 <sup>2)</sup>
1437892 <sup>4)</sup>	1437889 <sup>4)</sup>	1437892 <sup>4)</sup>	1437889 <sup>4)</sup>								

# M12 POWER distributors

## High power bundling and distribution

With M12 POWER distributor boxes as well as H and Y distributors, you can cable a large range of loads quickly and clearly. With just one supply cable, you can lead power up to your loads. Save costs through the distribution and bundling of power. Reliable shielding provides secure protection against electromagnetic interference.

### Your advantages

- ✓ Powerful: DC and AC applications up to 16 A and 630 V
- ✓ Safely shielded: Reliable 360° shield connection
- ✓ Secure fixing with two mounting holes
- ✓ M12 connectors can be mounted after securing the distributor

# M12 POWER distributors

AC applications			
<p>Simply enter the web code into the search field on our website:</p> <p><b>i</b> Web code: #0024</p>			
	<b>3-pos.+PE, S-coded</b>	<b>4-pos.+PE, K-coded</b>	
	<b>630 V, 12 A</b>	<b>630 V, 16 A</b>	
H distributor, shielded, 1 x male to 3 x female			
	1080242	1080246	
Y distributor, shielded, 1 x male to 2 x female			
	1080243	1080247	
DC applications			
<p>Simply enter the web code into the search field on our website:</p> <p><b>i</b> Web code: #0024</p>			
	<b>4-pos., T-coded</b>	<b>4-pos.+FE, L-coded</b>	
	<b>63 V, 12 A</b>	<b>63 V, 16 A</b>	
H distributor, shielded, 1 x male to 3 x female			
	1080244	1080248	
Y distributor, shielded, 1 x male to 2 x female			
	1080245	1080249	
Y distributor, unshielded, 1 x male to 2 x female			
	1410632		
Distributor box, unshielded			
	With diagnostics port	1411048	Rated voltage: 24 V DC Rated current per I/O signal: 10 A Rated current per slot: 2 x 9.25 A
	Without diagnostics port	1413929	

Corresponding accessories and tools are to be found on the respective product page at phoenixcontact.com

## 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.

You can find your local partner at  
[phoenixcontact.com](http://phoenixcontact.com)

