



# M12 Power connectors

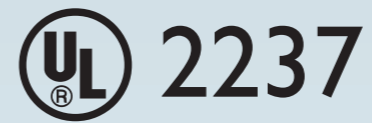
Get amped with more power in less space

2023/2024

# 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



## M12 Power series

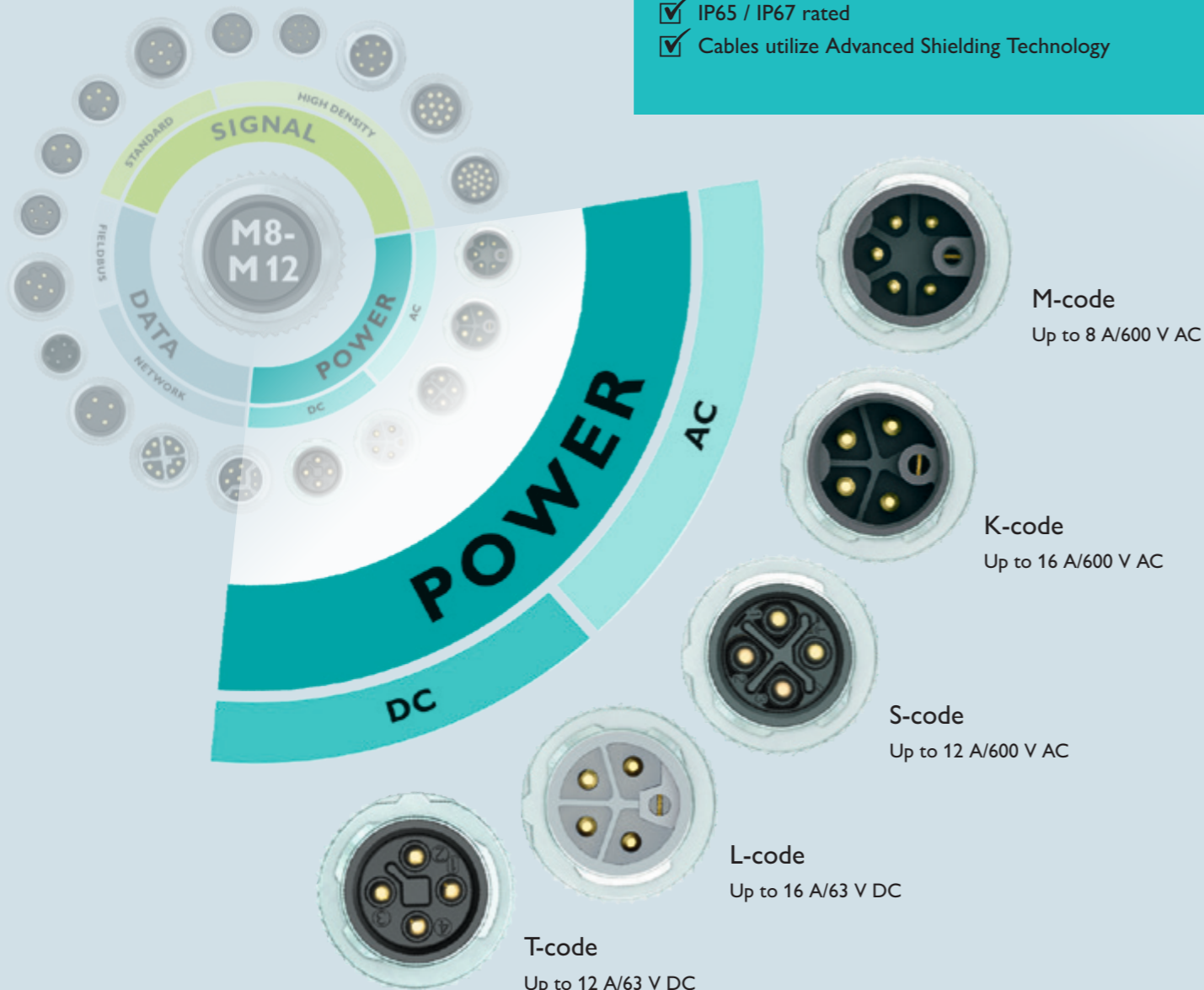
### Safe power transfer, built in

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

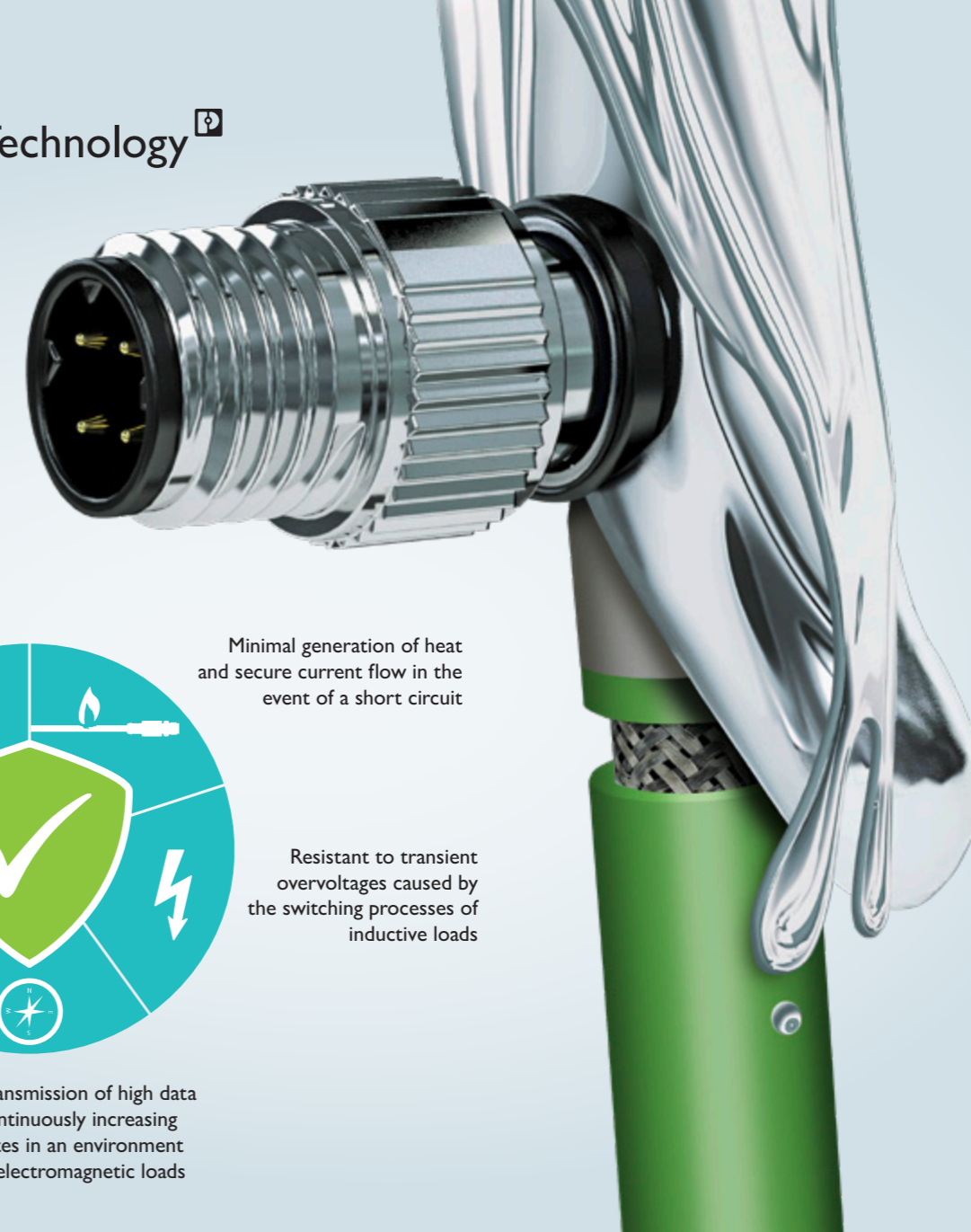
- ✓ IEC 61076-2-111 compliant
- ✓ UL listed, Category PVVA, file E468743
- ✓ Tested under UL2237 for power connectors
- ✓ IP65 / IP67 rated
- ✓ Cables utilize Advanced Shielding Technology



## 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 totally 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.



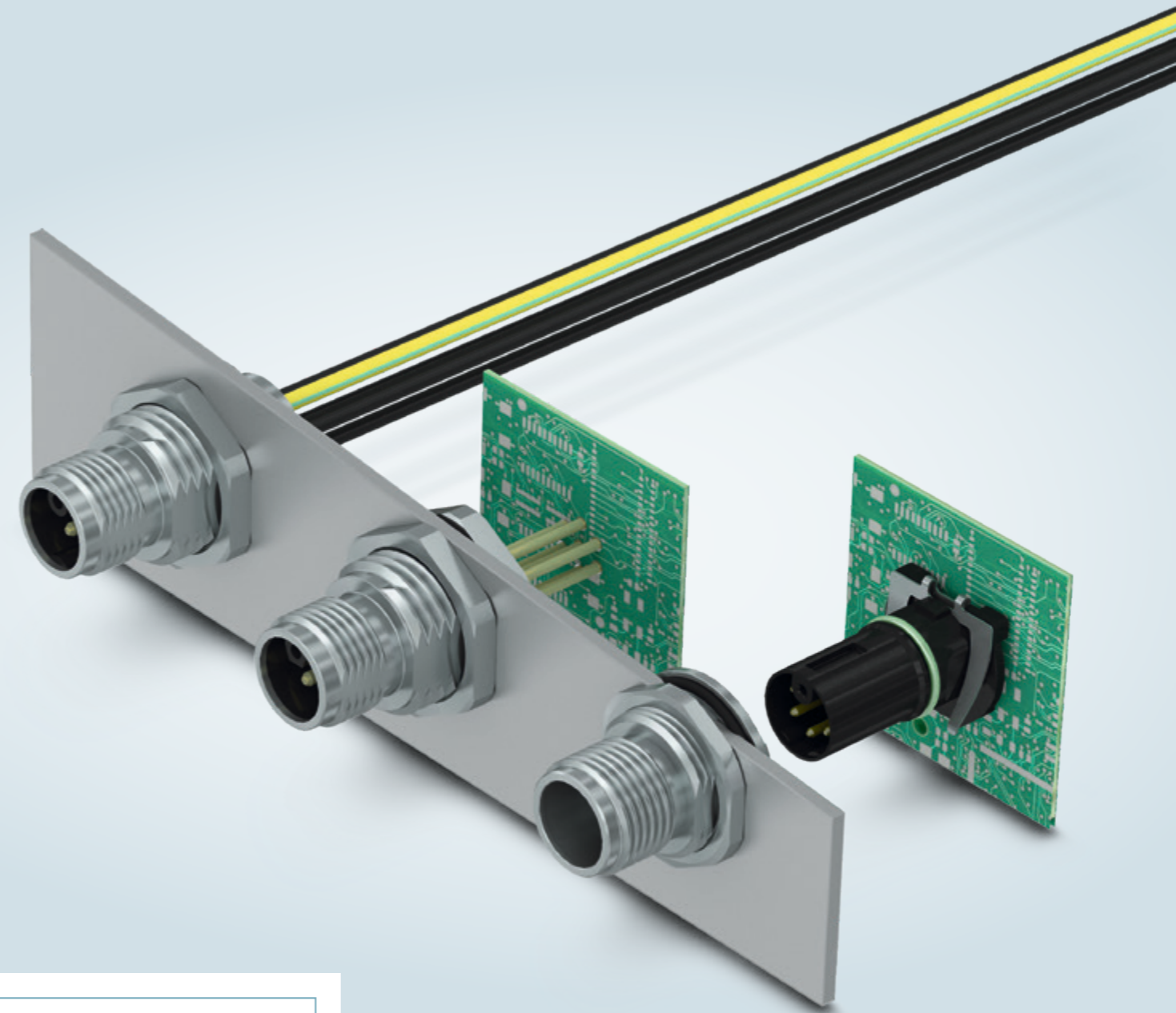
# Device connector design options

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

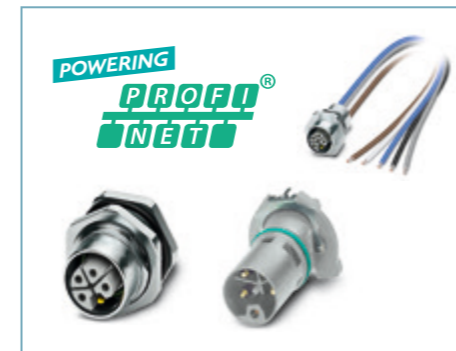
- ✓ Front and rear panel mounting with 0.2- and 0.5-meter flying leads, with longer lead lengths now available
- ✓ One- or two-piece versions for wave, THR, and surface-mount soldering
- ✓ PROFINET-certified L-coded connectors for THR and wave soldering, as well as with flying leads
- ✓ K- and L-coded connectors with 2.5 mm<sup>2</sup> (14 AWG) flying leads



K- and L-coded connectors with 1.5 mm<sup>2</sup> (16 AWG) flying leads, with all other variants featuring 2.5 mm<sup>2</sup> (14 AWG) flying leads in 0.2- and 0.5-meter lengths



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

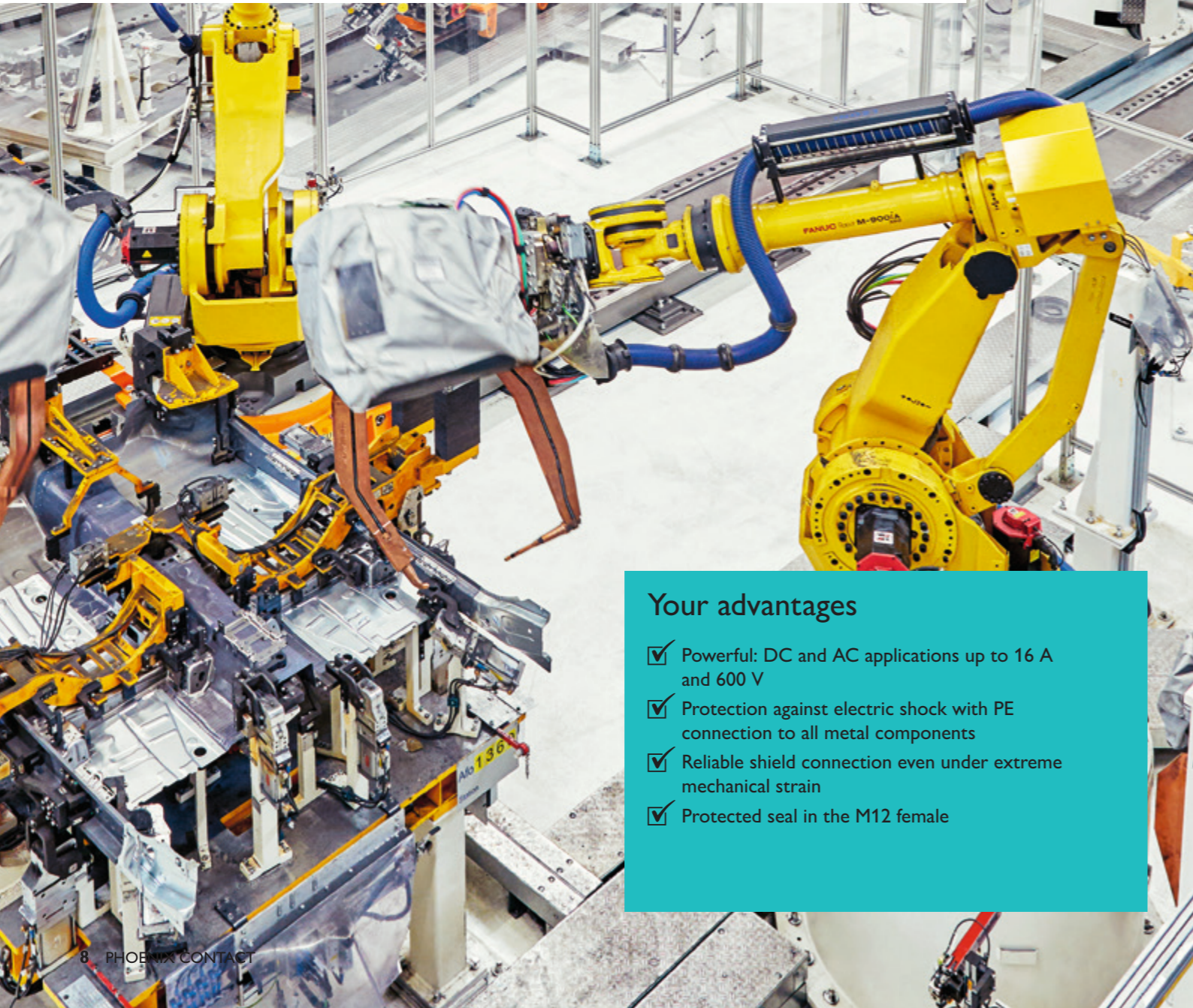


PROFINET-certified L-coded connectors for THR and wave soldering, as well as with flying leads.



## 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

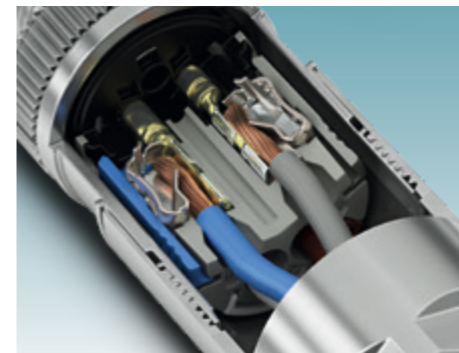
- ✓ Powerful: DC and AC applications up to 16 A and 600 V
- ✓ Protection against electric shock with PE connection to all metal components
- ✓ Reliable shield connection even under extreme mechanical strain
- ✓ Protected seal in the M12 female

## Always the best connection technology



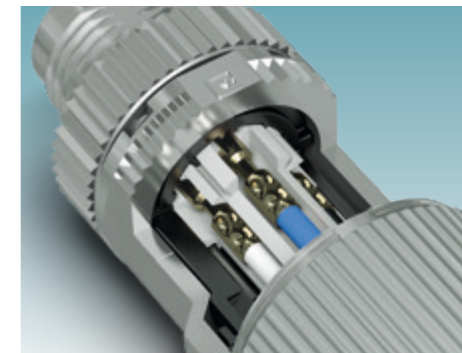
### Push-lock connection

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.



# Technical specification guide

AC power					
Coding	Positions	Wire gauge	UL rated current	UL rated voltage	See page
S*	2+PE	16 AWG	16 A	300 V AC	Page 8
	3+PE	16 AWG	12 A	600 V AC	Page 9
K	4+PE	14 AWG	16 A	600 V AC	Page 10
M	5+PE	16 AWG	8 A	600 V AC	Page 11

DC power					
Coding	Positions	Wire gauge	UL rated current	UL rated voltage	See page
T	4	16 AWG	12 A	63 V DC	Page 12-13
L*	4	16 AWG	12 A	63 V DC	Page 14-15
		14 AWG	16 A	63 V DC	Page 14-15
	4+FE	16 AWG	12 A	63 V DC	Page 16-17
		14 AWG	16 A	63 V DC	Page 16-17

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

## General specifications

Product	PUR cordset	PVC cordset	Device connector
<b>Standards and regulations</b>			
Standard designation	M12 connector		
UL Certification	Listed: UL2237, File Number E468743		
Standards/regulations	IEC 61076-2-111		
Flammability rating according to UL 94	V0		
<b>Ambient conditions</b>			
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)		
Degree of protection	IP65 / IP67		
<b>General</b>			
Insulation resistance	≥ 100 MΩ		
Overvoltage category	III		
Degree of pollution	3		
Connection method	-		Individual wires, PCB solder
Insertion/withdrawal cycles	≥ 100	≥ 100	> 100
<b>Material</b>			
Flammability rating according to UL 94	V0	V0	V0
Contact material	CuSn	CuSn	CuSn
Contact surface material	Ni/Au	Ni/Au	Ni/Au
Contact carrier material	PA	PA	PA
Material of grip body	PA	PA	-
Material, knurls	Zinc die-cast, nickel-plated	Zinc die-cast, nickel-plated	Nickel-plated alloy
<b>Cable</b>			
Cable type	PUR	PVC	-
External sheath, color	Black-gray RAL 7021 Orange RAL 2003 Gray RAL 7001	Black-gray RAL 7021 Orange RAL 2003 Gray RAL 7001	-
Minimum bending radius, fixed installation	5 x D	5 x D	-
Minimum bending radius, flexible installation	10 x D	10 x D	-
Number of bending cycles	4,000,000 (unshielded) 2,000,000 (shielded)	2,000,000 (unshielded) 1,000,000 (shielded)	-
Minimum bending radius, drag chain applications	10 x D	10 x D	-
Traversing path	10 m	10 m	-
Traversing rate	3 m/s	3 m/s	-
Acceleration	10 m/s <sup>2</sup>	10 m/s <sup>2</sup>	-
Conductor material	Bare Cu litz wires		
Insulation resistance (outer jacket)	≥ 1 GΩ*km (at 20 °C)	≥ 100 MΩ*km (at 20 °C)	-
Flame resistance	According to UL 758/1581 (Cable Flame) According to UL 758/1581 FT1 According to DIN EN 60332-1-2	According to UL 758/1581 (Cable Flame) According to UL 758/1581 FT1 According to DIN EN 60332-1-2	In acc. to UL 1581 VW1
Halogen-free	Yes	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	-
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10 Low adhesion Abrasion-resistant Resistant to salt water	-	-
<b>Environmental Product Compliance</b>			
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"		

# 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.)





## AC Power – S-code

2+PE products for up to 12 A, 300 V AC requirements (single-phase motor)

### AC cordsets

Configuration		Shielded	Cable	Wire	S-Code: 3pos (2+PE)								CMAT	
					0.5 m	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m	5.0 m	10.0 m	Base article	Cable Code
	Socket Straight / Open End	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276645/.../...	PUR
			Black PVC		-	1411644	-	1411645	-	-	1411646	1411647		PVC
	Socket 90° / Open End	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276644/.../...	PUR
			Black PVC		-	1411648	-	1411649	-	-	1411650	1411651		PVC
	Pin Straight / Open End	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276647/.../...	PUR
			Black PVC		-	1411636	-	1411637	-	-	1411638	1411639		PVC
	Pin 90° / Open End	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276646/.../...	PUR
			Black PVC		-	1411640	-	1411641	-	-	1411642	1411643		PVC
	Pin Straight / Socket Straight	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276643/.../...	PUR
			Black PVC		-	-	-	-	-	-	-	1014534		PVC
	Pin Straight / Socket 90°	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276642/.../...	PUR
			Black PVC		-	-	-	-	-	-	-	-		PVC
	Pin 90° / Socket Straight	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276641/.../...	PUR
			Black PVC		-	-	-	-	-	-	-	-		PVC
	Pin 90° / Socket 90°	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276640/.../...	PUR
			Black PVC		-	-	-	-	-	-	-	-		PVC

### Field-wired connectors

Configuration		Termination	Cable OD	S-Code: 3pos (2+PE)				Shielded	Article No.	Power contacts				PE contacts	
				Wire mm2		Wire AWG				14 AWG		14 AWG		14 AWG	
				No ferrule	With ferrule	No ferrule	With ferrule			1.5 mm2	2.5 mm2	1.5 mm2	2.5 mm2		
	Socket Straight	Push-lock	6-11 mm	1.5 - 1.5	0.75 - 2.5	16	18 - 14	Yes	1080227	-	-	-	-		
	Pin Straight									-	-	-	-		
	Socket Straight	Crimp	6.5-11 mm	1.5 - 2.5	-	14	-	Yes	1027469	1029395	1029390	1029400	1029391		
	Pin Straight									1027467	1029394	1029388	1029398	1029389	
	Socket Straight	Screw	6-8 mm	0.75 - 2.5	0.75 - 1.5	-	18 - 16	No	1419640	-	-	-	-		
	Socket 90°									-	-	-	-		
	Pin Straight									-	-	-	-		
	Pin 90°									-	-	-	-		

### Device connectors

Configuration		S-Code: 3pos (2+PE)					
		Leads	0.5 m	1.0 m	1.5 m	Note	
	Male, Black Insert, Standard	Front Mount M16x1.5 Thread	16 AWG Flying leads	1411655	-	1068167	(1)
		Rear Mount M16x1.5 Thread	16 AWG Flying leads	1411653	1162589	1162590	
	Female, Black Insert, Standard	Front Mount M16x1.5 Thread	16 AWG Flying leads	1411654	-	-	(1)
		Rear Mount M16x1.5 Thread	16 AWG Flying leads	1411652	1162597	1162598	

(1) Hex nut 1504097 sold separately.



## AC Power – S-code

3+PE products for up to 12 A, 600 V AC requirements (3-phase Delta system)

### AC cordsets

Configuration		Shielded	Cable	Wire	S-Code: 4pos (3+PE)								CMAT	
					0.5 m	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m	5.0 m	10.0 m	Base article	Cable code
	Socket Straight / Open End	No	Black PUR	16 AWG	-	1408843	-	1408844	-	-	1408845	1408846	1276637/.../...	PUR
		Yes	Orange PUR	14 AWG	-	-	-	-	-	-	-	-		125
	Socket 90° / Open End	No	Black PUR	16 AWG	-	1408848	-	1408852	-	-	1408853	1408854	1276629/.../...	PUR
		Yes	Orange PUR	14 AWG	-	-	-	-	-	-	-	-		125
	Pin Straight / Open End	No	Black PUR	16 AWG	-	1408835	-	1408836	-	-	1408837	1408838	1276639/.../...	PUR
		Yes	Orange PUR	14 AWG	-	-	-	-	-	-	-	-		125
	Pin 90° / Open End	No	Black PUR	16 AWG	-	1408839	-	1408840	-	-	1408841	1408842	1276638/.../...	PUR
		Yes	Orange PUR	14 AWG	-	-	-	-	-	-	-	-		125
	Pin Straight / Socket Straight	No	Black PUR	16 AWG	-	-	-	-	-	-	1417581	-	1276636/.../...	PUR
		Yes	Orange PUR	14 AWG	-	-	-	-	-	-	-	-		125
	Pin Straight / Socket 90°	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276634/.../...	PUR
		Yes	Orange PUR	14 AWG	-	-	-	-	-	-	-	-		125
	Pin 90° / Socket Straight	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276633/.../...	PUR
		Yes	Orange PUR	14 AWG	-	-	-	-	-	-	-	-		125
	Pin 90° / Socket 90°	No	Black PUR	16 AWG	-	-	-	-	-	-	-	-	1276632/.../...	PUR
		Yes	Orange PUR	14 AWG	-	-	-	-	-	-	-	-		125

### Field-wired connectors

Configuration		Termination	Cable OD	S-Code: 4pos (3+PE)				Shielded	Article No.	Power contacts		PE contacts	
				Wire mm2		Wire AWG				14 AWG		14 AWG	
				No ferrule	With ferrule	No ferrule	With ferrule			1.5 mm2	2.5 mm2	1.5 mm2	2.5 mm2
	Socket Straight	Push-lock	6-11 mm	1.5 - 1.5	0.75 - 2.5	16	18 - 14	Yes	1080227	-	-	-	-
	Pin Straight									-	-	-	-
	Socket Straight	Crimp	6.5-11 mm	1.5 - 2.5	-	14	-	Yes	1027469	1029395	1029390	1029400	1029391
	Pin Straight									1027467	1029394	1029388	1029398
	Socket Straight	Screw	8-10 mm	0.75 - 2.5	0.75 - 1.5	-	18 - 16	No	1419640	-	-	-	-
	Socket 90°									-	-	-	-
	Pin Straight									-	-	-	-
	Pin 90°									-	-	-	-

### Device connectors

Configuration		S-Code: 4pos (3+PE)						
		Leads	PCB	0.5 m	1.0 m	1.5 m	Note	
	Male, Black Insert, XL	Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	1411607	-	-	(1)
		Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	1411603	1108623	1162623	
	Male, Black Insert, Standard	Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	1424139	1037070	-	(1)
		Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	1424132	-	-	
	Male, Black Insert for PCB	25 mm Square Flange	16 AWG Flying Leads	-	1424129	1162569	1162571	(3)
		Tape and Reel	Through-Hole	1418343	-	-	-	(2)
	Female, Black Insert, XL	Tray/Blister Pack	Through-Hole	1406410	-	-	-	(2)
		Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	1411605	1036790	-	(1)
	Female, Black Insert, Standard	Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	1411598	1162635	1162636	
		Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	1424137	-	-	(1)
	Female, Black Insert for PCB	Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	1424133	1178143	-	
		Tape and Reel	Through-Hole	1418344	-	-	-	(2)
		Tray/Blister Pack	Through-Hole	1406409	-	-	-	(2)

(1) Hex nut 1504097 sold separately.

(2) See table on page 22 for available housings.

(3) Flange 1424131 sold separately.



## AC Power – K-code

4+PE products for up to 16 A, 600 V AC requirements (3-phase Wye system)

### AC cordsets

K-Code: 5pos (4+PE)										
Configuration	Shielded	Cable	Wire	1.5 m	2.0 m	3.0 m	5.0 m	10.0 m	CMAT	
									Base article	Cable code
	No	Black PUR	14 AWG	1414770	-	1414788	1414804	1414821	1276603/.../...	PUR
		Black PVC	14 AWG	1414780	-	1414796	1414812	1414829		PVC
	Yes	Orange PUR	14 AWG	1414771	-	1414789	1414805	1414822	1276595/.../...	PUR
		Black PUR	14 AWG	1414766	-	1414784	1414800	1414817	1276602/.../...	PUR
	No	Black PUR	14 AWG	1414774	-	1414792	1414808	1414825		PVC
		Black PVC	14 AWG	1414774	-	1414792	1414808	1414825		PVC
	Yes	Orange PUR	14 AWG	1414767	-	1414785	1414801	1414818	1276593/.../...	PUR
		Black PUR	14 AWG	1414866	-	1414870	1414875	1414879	1276606/.../...	PUR
	No	Black PUR	14 AWG	1414867	-	1414871	1414876	1414880	1276597/.../...	PUR
		Black PVC	14 AWG	1414866	-	1414870	1414875	1414879	1276604/.../...	PVC
	Yes	Orange PUR	14 AWG	1414833	-	1414837	1414841	1414846	1276604/.../...	PUR
		Black PUR	14 AWG	1414833	-	1414837	1414841	1414846	1276596/.../...	PUR
	No	Black PUR	14 AWG	-	-	-	-	-	1276601/.../...	PUR
		Black PVC	14 AWG	-	-	-	-	-	1276592/.../...	PVC
	Yes	Orange PUR	14 AWG	-	-	-	-	-	1276591/.../...	PUR
		Black PUR	14 AWG	-	-	-	-	-	1276599/.../...	PUR
	No	Black PUR	14 AWG	-	-	-	-	-	1276590/.../...	PUR
		Black PVC	14 AWG	-	-	-	-	-	1276598/.../...	PVC
	Yes	Orange PUR	14 AWG	-	-	-	-	-	1276589/.../...	PUR
		Black PUR	14 AWG	-	-	-	-	-		PVC

### Field-wired connectors

K-Code: 5pos (4+PE)												
Configuration	Termination	Cable OD	Wire mm2		Wire AWG		Shielded	Article No.	Power contacts		PE contacts	
			No ferrule	With ferrule	No ferrule	With ferrule			14 AWG		14 AWG	
			1.5 - 1.5	0.75 - 2.5	16	18 - 14			1.5 mm2	2.5 mm2	1.5 mm2	2.5 mm2
	Push-lock	8-13 mm	1.5 - 1.5	0.75 - 2.5	16	18 - 14	Yes	1080228	-	-	-	-
									1080231	-	-	-
	Crimp	8-13 mm	1.5 - 2.5	-	14	-	Yes	1027476	1029396	1029392	1029398	1029389
									1027474	1029394	1029388	1029401

### Device connectors

K-code: 5pos (4+PE)													
Configuration	Termination	Cable OD	Wire mm2		Wire AWG		Shielded	Article No.	Power contacts		PE contacts		
			No ferrule	With ferrule	No ferrule	With ferrule			1.5 mm2	2.5 mm2	1.5 mm2	2.5 mm2	
	Push-lock	8-13 mm	1.5 - 1.5	0.75 - 2.5	16	18 - 14	Yes	1080228	-	-	-	-	
									1080231	-	-	-	-
									1027476	1029396	1029392	1029398	1029389
									1027474	1029394	1029388	1029401	1029393
	Crimp	8-13 mm	1.5 - 2.5	-	14	-	Yes	1027476	1029396	1029392	1029398	1029389	
									1027474	1029394	1029388	1029401	1029393

(1) Hex nut 1504097 sold separately. (2) See table on page 22 for available housings.



## AC Power – M-code

5+PE products for up to 8 A, 600 V AC requirements (3-phase system + auxiliary/break contacts)

### AC cordsets

M-Code: 6pos (5+PE)										
Configuration	Shielded	Cable	Wire	1.5 m	3.0 m	5.0 m	10.0 m	CMAT		
								Base article	Cable Code	
	No	Black PUR	16 AWG	1414901	1414910	1414918	1414926	1276553/.../...	PUR	
		Black PVC	16 AWG	1414905	1414914	1414922	1414930		PVC	
	Yes	Orange PUR	16 AWG	1414902	1414911	1414919	1414927	1276545/.../...	PUR	
		Orange PVC	16 AWG	1414906	1414915	1414923	1414931		PVC	
	No	Black PUR	16 AWG	1414899	1414907	1414916	1414924	1276552/.../...	PUR	
		Black PVC	16 AWG	1414903	1414912	1414920	1414928		PVC	
	Yes	Orange PUR	16 AWG	1414900	1414908	1414917	1414925	1276544/.../...	PUR	
		Orange PVC	16 AWG	1414904	1414913	1414921	1414929		PVC	
	No	Black PUR	16 AWG	1414949	1414953	1414957	1414961	1276555/.../...	PUR	
		Black PVC	16 AWG	1414951	1414955	1414959	1414963		PVC	
	Yes	Orange PUR	16 AWG	1414950	1414954	1414958	1414962	1276547/.../...	PUR	
		Orange PVC	16 AWG	1414952	1414956	1414960	1414964		PVC	
	No	Black PUR	16 AWG	1414932	1414936	1414941	1414945	1276554/.../...	PUR	
		Black PVC	16 AWG	1414934	1414939	1414943	1414947		PVC	
	Yes	Orange PUR	16 AWG	1414933	1414937	1414942	1414946	1276546/.../...	PUR	
		Orange PVC	16 AWG	1414935	1414940	1414944	1414948		PVC	
	No	Black PUR	16 AWG	-	-	-	-	1276551/.../...	PUR	
		Black PVC	16 AWG	-	-	-	-		PVC	
	Yes	Orange PUR	16 AWG	-	-	-	-	1276541/.../...	PUR	
		Orange PVC	16 AWG	-	-	-	-		PVC	
	No	Black PUR	16 AWG	-	-	-	-	1276550/.../...	PUR	
		Black PVC	16 AWG	-	-	-	-		PVC	
	Yes	Orange PUR	16 AWG	-	-	-	-	1276542/.../...	PUR	
		Orange PVC	16 AWG	-	-	-	-		PVC	
	No	Black PUR	16 AWG	-	-	-	-	1276549/.../...	PUR	
		Black PVC	16 AWG	-	-	-	-		PVC	
	Yes	Orange PUR	16 AWG	-	-	-	-	1266798/.../...	PUR	
		Orange PVC	16 AWG	-	-	-	-		PVC	
	No	Black PUR	16 AWG	-	-	-	-	1276548/.../...	PUR	
		Black PVC	16 AWG	-	-	-	-		PVC	
	Yes	Orange PUR	16 AWG	-	-	-	-	1265022/.../...	PUR	
		Orange PVC	16 AWG	-	-	-	-		PVC	

### Device connectors

M-code: 6pos (5+PE)												
Configuration	Termination	Cable OD	Wire mm2		Wire AWG		Shielded	Article No.	Power contacts		PE contacts	
			No ferrule	With ferrule	No ferrule	With ferrule			1.5 mm2	2.5 mm2	1.5 mm2	2.5 mm2
	Push-lock	8-13 mm	1.5 - 1.5	0.75 - 2.5	16	18 - 14	Yes	1080228	-	-	-	-
									1080231	-	-	-
	Crimp	8-13 mm	1.5 - 2.5	-	14	-	Yes	1027476	1029396	1029392	1029398	1029389
									1027474	1029394	1029388	1029401

(1) Hex nut 1504097 sold separately. (2) See table on page 22 for available housings.





## DC Power – T-code

4-position products for up to 12 A, 63 V DC requirements

### Cordsets

Configuration		Shielded	Cable	TC-ER rated	Wire	T-Code: 4pos								CMAT		
						0.5 m	1.0 m	1.5 m	2.0 m	3.0 m	5.0 m	10.0 m	15.0 m	20.0 m	Base article	Cable code
	Socket Straight / Open End	No	Black PUR	No	16 AWG	-	1408823	-	1408824	-	1408825	1408826	-	1421305	1276621 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	-		125
	Socket Straight / Open End	Yes	Black PUR	No	16 AWG	-	-	1424112	-	1424113	1424114	1424115	-	-	1276612 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	110		
	Socket 90° / Open End	No	Black PUR	No	16 AWG	-	1408827	-	1408828	-	1408829	1408830	-	1420494	1276620 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	125		
	Socket 90° / Open End	Yes	Black PUR	No	16 AWG	-	-	1424116	-	1424117	1424118	1424128	-	-	1276611 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	110		
	Pin Straight / Open End	No	Black PUR	No	16 AWG	-	1408812	-	1408813	-	1408814	1408815	-	-	1276623 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	125		
	Pin Straight / Open End	Yes	Black PUR	No	16 AWG	-	1089952	-	1089953	-	1089955	1089956	-	-	1276614 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	110		
	Pin 90° / Open End	No	Black PUR	No	16 AWG	-	1408816	-	1408819	-	1408820	1408822	-	-	1276622 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	125		
	Pin 90° / Open End	Yes	Black PUR	No	16 AWG	-	1089958	-	1089961	-	1089965	1089968	-	-	1276613 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	110		
	Pin Straight / Socket Straight	No	Black PUR	No	16 AWG	1413210	1408808	-	1408809	-	1408810	1408811	1413530	1411366	1276619 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	-		-
	Pin Straight / Socket Straight	Yes	Black PUR	No	16 AWG	-	1089988	-	1089997	-	1089998	1089999	-	-	1276610 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	-		110
	Pin Straight / Socket 90°	No	Black PUR	No	16 AWG	-	-	-	-	-	-	-	-	-	1276618 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	-		110
	Pin Straight / Socket 90°	Yes	Black PUR	No	16 AWG	-	-	-	-	-	-	-	-	-	1276609 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	-		110
	Pin 90° / Socket Straight	No	Black PUR	No	16 AWG	-	-	-	-	-	-	-	-	-	1276616 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	-		125
	Pin 90° / Socket Straight	Yes	Black PUR	No	16 AWG	-	-	-	-	-	-	-	-	-	1276608 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	-		110
	Pin 90° / Socket 90°	No	Black PUR	No	16 AWG	1007367	1415196	-	1415197	-	1415198	1415199	-	-	1276615 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	-		125
	Pin 90° / Socket 90°	Yes	Black PUR	No	16 AWG	1102085	1102081	1415202	-	1415203	1415204	1415205	-	-	1276607 /.../...	PUR
					14 AWG	-	-	-	-	-	-	-	-	-		110

### Field-wired connectors

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



## DC Power – T-code

4-position products for up to 12 A, 63 V DC requirements

### Device connectors

Configuration		T-code: 4pos								Note
		Leads	PCB	0.2 m	0.5 m	1.0 m	1.5 m			
	Male, Black Insert, XL	Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	-	1411608	-	-	(1)	
		Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	-	1411604	1162539	1162541		
	Male, Black Insert, Standard	Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	-	1424140	-	-	(1)	
		Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	-	1424136	1037080	1420794		
	Male, Black Insert, Shielded	Tape and Reel	Through-Hole	1418341	-	-	-	-	(2)	
		Tray/Blister Pack	Through-Hole	1406397	-	-	-	-	(2)	
	Male, Black Insert	Tape and Reel	Surface Mount	1411989	-	-	-	-	(2)	
		Tray/Blister Pack	Surface Mount	1411931	-	-	-	-	(2)	
	Male, Black Insert	Tape and Reel	Through-Hole	1418339	-	-	-	-	(2)	
		Tray/Blister Pack	Through-Hole	1406396	-	-	-	-	(2)	
	Female, Black Insert, XL	Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	-	1411606	-	-	(1)	
		Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	1426488	1411599	1162552	1162554		
	Female, Black Insert, Standard	Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	-	1424138	-	-	(1)	
		Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	-	1424134	-	1420501		
	Female, Black Insert, Standard	Tape and Reel	Surface Mount	1412019	-	-	-	-	(2)	
		Tray/Blister Pack	Surface Mount	1411967	-	-	-	-	(2)	
	Female, Black Insert, Standard	Tape and Reel	Through-Hole	1418342	-	-	-	-	(2)	
		Tray/Blister Pack	Through-Hole	1406412	-	-	-	-	(2)	
	Female, Black Insert	Tape and Reel	Surface Mount	1411981	-	-	-	-	(2)	
		Tray/Blister Pack	Surface Mount	1411918	-	-	-	-	(2)	
	Female, Black Insert	Tape and Reel	Through-Hole	1418340	-	-	-	-	(2)	
		Tray/Blister Pack	Through-Hole	1406411	-	-	-	-	(2)	

(1) Hex nut 1504097 sold separately. (2) See table on page 22 for available housings. (3) Flange 1424131 sold separately.



## DC Power – L-code

4-position products for up to 16 A, 63 V DC requirements



## DC Power – L-code

4-position products for up to 16 A, 63 V DC requirements



### Cordsets

Configuration		Shielded	Cable	TC-ER rated	Wire	L-Code: 4pos											CMAT		
						0.3 m	0.5 m	0.6 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	Base article	Cable code
	Socket Straight / Open End	No	Black PUR	No	14 AWG	-	-	-	-	1425073	-	-	1425074	1425075	1425076	-	-	1276563 /.../...	PUR
				No	16 AWG	-	-	-	-	1425033	-	-	1425034	1425035	1425036	-	-		105
			Black PVC	No	14 AWG	-	-	-	-	1425093	-	-	1425094	1425095	1425096	-	-		PVC
				No	16 AWG	-	-	-	-	1425053	-	-	1425054	1425055	1425056	-	-		110
	Socket 90° / Open End	No	Black PUR	No	14 AWG	-	-	-	-	1425077	-	-	1425078	1425079	1425080	-	-	1276561 /.../...	PUR
				No	16 AWG	-	-	-	-	1425037	-	-	1425038	1425039	1425040	-	-		105
			Black PVC	No	14 AWG	-	-	-	-	1425097	-	-	1425098	1425099	1425100	-	-		PVC
				No	16 AWG	-	-	-	-	1425057	-	-	1425058	1425059	1425060	-	-		110
	Pin Straight / Open End	No	Black PUR	No	14 AWG	-	-	-	-	1425065	-	-	1425066	1425067	1425068	-	-	1276568 /.../...	PUR
				No	16 AWG	-	-	-	-	1425025	-	-	1425026	1425027	1425028	-	-		105
			Black PVC	No	14 AWG	-	-	-	-	1425085	-	-	1425086	1425087	1425088	-	-		PVC
				No	16 AWG	-	-	-	-	1425045	-	-	1425046	1425047	1425048	-	-		110
	Pin 90° / Open End	No	Black PUR	No	14 AWG	-	-	-	-	1425069	-	-	1425070	1425071	1425072	-	-	1276567 /.../...	PUR
				No	16 AWG	-	-	-	-	1425029	-	-	1425030	1425031	1425032	-	-		105
			Black PVC	No	14 AWG	-	-	-	-	1425089	-	-	1425090	1425091	1425092	-	-		PVC
				No	16 AWG	-	-	-	-	1425049	-	-	1425050	1425051	1425052	-	-		110
	Pin Straight / Socket Straight	No	Black PUR	No	14 AWG	1425081	-	1425082	-	1425083	-	-	1425084	1261835	1261819	-	-	1276560 /.../...	PUR
				No	16 AWG	1425041	-	1425042	-	1425043	-	-	1425044	-	-	-	-		105
			Black PVC	No	14 AWG	1425101	-	1425102	-	1425103	-	-	1425104	-	-	-	-		PVC
				No	16 AWG	1425061	-	1425062	-	1425063	-	-	1425064	-	-	-	-		110
	Pin Straight / Socket 90°	No	Black PUR	No	14 AWG	-	-	-	-	-	-	-	-	-	-	-	1276558 /.../...	PUR	
				No	16 AWG	-	-	-	-	-	-	-	-	-	-	-		-	105
			Black PVC	No	14 AWG	-	-	-	-	-	-	-	-	-	-	-		-	PVC
				No	16 AWG	-	-	-	-	-	-	-	-	-	-	-		-	110
	Pin 90° / Socket Straight	No	Black PUR	No	14 AWG	-	-	-	-	-	-	-	-	-	-	-	1276557 /.../...	PUR	
				No	16 AWG	-	-	-	-	-	-	-	-	-	-	-		-	105
			Black PVC	No	14 AWG	-	-	-	-	-	-	-	-	-	-	-		-	PVC
				No	16 AWG	-	-	-	-	-	-	-	-	-	-	-		-	110
	Pin 90° / Socket 90°	No	Black PUR	No	14 AWG	-	-	-	-	-	-	-	-	-	-	-	1276556 /.../...	PUR	
				No	16 AWG	-	-	-	-	-	-	-	-	-	-	-		-	105
			Black PVC	No	14 AWG	-	-	-	-	-	-	-	-	-	-	-		-	PVC
				No	16 AWG	-	-	-	-	-	-	-	-	-	-	-		-	110

### Device connectors

Configuration		Leads	PCB	L-code: 4pos				Note	
				0.2 m	0.5 m	1.0 m	1.5 m		
	Male, Black Insert, XL	Front Mount M16x1.5 Thread	14 AWG Flying Leads	-	1425586	-	-	-	(1)
		Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	1425631	-	-	-	(1)
		Rear Mount M16x1.5 Thread	14 AWG Flying Leads	-	1425588	1163033	1163034	1163035	
		Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	1425633	-	-	-	
	Male, Black Insert, Shielded	Tape and Reel	Through-Hole	1425641	-	-	-	(2)	
		Tray/Blister Pack	Through-Hole	1425639	-	-	-	(2)	
	Male, Black Insert	Tape and Reel	Through-Hole	1425605	-	-	-	(2)	
		Tray/Blister Pack	Through-Hole	1425603	-	-	-	(2)	
	Male, Black Insert, Standard	Rear Mount M16x1.5 Thread	Wave Solder	1425592	-	-	-		
	Female, Black Insert, XL	Front Mount M16x1.5 Thread	14 AWG Flying Leads	-	1425587	-	-	-	(1)
		Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	1425632	-	-	-	(1)
		Rear Mount M16x1.5 Thread	14 AWG Flying Leads	-	1425589	1163053	1163054	1163055	
		Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	1425634	-	-	-	
	Female, Black Insert, Shielded	Tape and Reel	Through-Hole	1425642	-	-	-	(2)	
		Tray/Blister Pack	Through-Hole	1425640	-	-	-	(2)	
	Female, Black Insert	Tape and Reel	Through-Hole	1425606	-	-	-	(2)	
		Tray/Blister Pack	Through-Hole	1425604	-	-	-	(2)	
	Female, Black Insert, Standard	Rear Mount M16x1.5 Thread	Wave Solder	1425593	-	-	-		

(1) Hex nut 1504097 sold separately. (2) See table on page 22 for available housings.

### Field-wired connectors

Configuration		Termination	Cable OD	T-Code: 4pos				Shielded	Article No.	Power contacts	
				Wire mm2		Wire AWG				14 AWG	
				No ferrule	With ferrule	No ferrule	With ferrule			1.5 mm2	2.5 mm2
	Socket Straight	Push-lock	6-11 mm	1.5 - 1.5	0.75 - 2.5	16	18 - 14	Yes	1080237	-	-
	Pin Straight									-	-
	Socket Straight	Crimp	8-13 mm	1.5 - 2.5	-	14	-	Yes	1027480	1029396	1029392
	Pin Straight									1027479	1029394





## DC Power – L-code

4+FE products for up to 16 A, 63 V DC requirements



## DC Power – L-code

4+FE products for up to 16 A, 63 V DC requirements



### Cordsets

Configuration		Shielded	Cable	TC-ER Rated	L-Code: 5pos (4+FE)								CMAT	
					Wire	0.3 m	0.6 m	1.5 m	2.0 m	3.0 m	5.0 m	10.0 m	Base article	Cable Code
	Socket Straight / Open End	No	Gray PUR	No	14 AWG	-	-	1414772	-	1414790	1414806	1414823	1276586/.../...	280
					16 AWG	-	-	1424601	-	1424602	1424603	1424604		290
					14 AWG	-	-	1414782	-	1414798	1414814	1414831		500
		Yes	Gray PVC	No	16 AWG	-	-	1424617	-	1424618	1424619	1424620		510
					14 AWG	-	-	1414773	-	1414791	1414807	1414824		280
					16 AWG	-	-	-	-	-	-	-		500
	Socket 90° / Open End	No	Gray PUR	No	14 AWG	-	-	1414768	-	1414786	1414802	1414819	1276584/.../...	280
					16 AWG	-	-	1424605	-	1424606	1424607	1424608		290
					14 AWG	-	-	1414777	-	1414794	1414810	1414827		500
		Yes	Gray PVC	No	16 AWG	-	-	1424621	-	1424622	1424623	1424624		510
					14 AWG	-	-	1414769	-	1414787	1414803	1414820		280
					16 AWG	-	-	1414778	-	1414795	1414811	1414828		500
	Pin Straight / Open End	No	Gray PUR	No	14 AWG	-	-	1414883	-	1414887	1414891	1414895	1276588/.../...	280
					16 AWG	-	-	1424593	-	1424594	1424595	1424596		290
					14 AWG	-	-	1414885	-	1414889	1414893	1414897		500
		Yes	Gray PVC	No	16 AWG	-	-	1424609	-	1424610	1424611	1424612		510
					14 AWG	-	-	1414884	-	1414888	1414892	1414896		280
					16 AWG	-	-	-	-	-	-	-		500
	Pin 90° / Open End	No	Gray PUR	No	14 AWG	-	-	1414850	-	1414854	1414858	1414862	1276587/.../...	280
					16 AWG	-	-	1424597	-	1424598	1424599	1424600		290
					14 AWG	-	-	1414852	-	1414856	1414860	1414864		500
		Yes	Gray PVC	No	16 AWG	-	-	1424613	-	1424614	1424615	1424616		510
					14 AWG	-	-	1414851	-	1414855	1414859	1414863		280
					16 AWG	-	-	1414853	-	1414857	1414861	1414865		500
	Pin Straight / Socket Straight	No	Gray PUR	No	14 AWG	1425009	1425010	1425011	-	1425012	-	-	1276583/.../...	280
					16 AWG	1425017	1425018	1425019	-	1425020	-	-		290
					14 AWG	1425013	1425014	1425015	-	1425016	-	-		500
		Yes	Gray PVC	No	16 AWG	1425021	1425022	1425023	-	1425024	-	-		510
					14 AWG	-	-	-	-	-	-	-		280
					16 AWG	-	-	-	-	-	-	-		500
	Pin Straight / Socket 90°	No	Gray PUR	No	14 AWG	-	-	-	-	-	-	-	1276582/.../...	280
					16 AWG	-	-	-	-	-	-	-		290
					14 AWG	-	-	-	-	-	-	-		500
		Yes	Gray PVC	No	16 AWG	-	-	-	-	-	-	-		510
					14 AWG	-	-	-	-	-	-	-		280
					16 AWG	-	-	-	-	-	-	-		500
	Pin 90° / Socket Straight	No	Gray PUR	No	14 AWG	-	-	-	-	-	-	-	1276581/.../...	280
					16 AWG	-	-	-	-	-	-	-		290
					14 AWG	-	-	-	-	-	-	-		500
		Yes	Gray PVC	No	16 AWG	-	-	-	-	-	-	-		510
					14 AWG	-	-	-	-	-	-	-		280
					16 AWG	-	-	-	-	-	-	-		500
	Pin 90° / Socket 90°	No	Gray PUR	No	14 AWG	-	-	-	-	-	-	-	1276580/.../...	280
					16 AWG	-	-	-	-	-	-	-		290
					14 AWG	-	-	-	-	-	-	-		500
		Yes	Gray PVC	No	16 AWG	-	-	-	-	-	-	-		510
					14 AWG	-	-	-	-	-	-	-		280
					16 AWG	-	-	-	-	-	-	-		500

### Field-wired connectors

Configuration		Termination	Cable OD	T-Code: 4pos				Shielded	Article No.	Power contacts		PE contacts	
				Wire mm2		Wire AWG				14 AWG		14 AWG	
				No ferrule	With ferrule	No ferrule	With ferrule		1.5 mm2	2.5 mm2	1.5 mm2	2.5 mm2	
	Socket Straight	Push-lock	8-13 mm	1.5 - 1.5	0.75 - 2.5	16	18 - 14	No	1151390	-	-	-	-
	Pin Straight								1151368	-	-	-	-
	Socket Straight	Push-lock	8-13 mm	1.5 - 2.5	-	14	-	Yes	1080233	-	-	-	-
	Pin Straight								1080235	-	-	-	-
	Socket Straight	Crimp	8-13 mm	0.75 - 2.5	0.75 - 1.5	-	18 - 16	Yes	1027478	1029396	1029392	1029398	1029389
	Pin Straight									1029394	1029388	1029401	1029393

### Device connectors

Configuration		L-code: 5pos (4+FE)							Note
		Leads	PCB	0.2 m	0.5 m	1.0 m	1.5 m		
	Male, Gray Insert, XL	Front Mount M16x1.5 Thread	14 AWG Flying Leads	-	1425582	-	-	-	(1)
		Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	1425627	-	-	-	(1)
		Rear Mount M16x1.5 Thread	14 AWG Flying Leads	-	1425584	1163083	1163085	1163087	
		Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	1425629	-	-	-	
		Tape and Reel	Through-Hole	1425601	-	-	-	-	(2)
	Male, Gray Insert, Shielded	Tray/Blister Pack	Through-Hole	1425597	-	-	-	(2)	
		Tape and Reel	Through-Hole	1425599	-	-	-	(2)	
	Male, Gray Insert	Tray/Blister Pack	Through-Hole	1425594	-	-	-	(2)	
		Rear Mount M16x1.5 Thread	Wave Solder	1425590	-	-	-		
	Male, Black Insert, XL	Front Mount M16x1.5 Thread	14 AWG Flying Leads	-	1415295	-	-	-	(1)
		Rear Mount M16x1.5 Thread	14 AWG Flying Leads	-	1415297	1163063	1163064	1163066	
	Male, Black Insert, Shielded	Tape and Reel	Through-Hole	1421317	-	-	-	-	(2)
		Tray/Blister Pack	Through-Hole	1421314	-	-	-	-	(2)
	Male, Black Insert	Tape and Reel	Through-Hole	1420828	-	-	-	-	(2)
		Tray/Blister Pack	Through-Hole	1420817	-	-	-	-	(2)
	Male, Black Insert, Standard	Rear Mount M16x1.5 Thread	Wave Solder	1415337	-	-	-	-	
		Front Mount M16x1.5 Thread	14 AWG Flying Leads	-	1425583	-	-	-	(1)
	Female, Gray Insert, XL	Front Mount M16x1.5 Thread	16 AWG Flying Leads	-	1425628	-	-	-	(1)
		Rear Mount M16x1.5 Thread	14 AWG Flying Leads	-	1425585	1163099	1163100	1163101	
		Rear Mount M16x1.5 Thread	16 AWG Flying Leads	-	1425630	-	-	-	
		Tape and Reel	Through-Hole	1425602	-	-	-	-	(2)
	Female, Gray Insert, Shielded	Tray/Blister Pack	Through-Hole	1425598	-	-	-	-	(2)
		Tape and Reel	Through-Hole	1425600	-	-	-	-	(2)
	Female, Gray Insert	Tray/Blister Pack	Through-Hole	1425595	-	-	-	-	(2)
		Rear Mount M16x1.5 Thread	Wave Solder	1425591	-	-	-	-	
	Female, Black Insert, XL	Front Mount M16x1.5 Thread	14 AWG Flying Leads	-	1415296	-	-	-	(1)
		Rear Mount M16x1.5 Thread	14 AWG Flying Leads	-	1415299	1163111	1163112	1163114	
	Female, Black Insert, Shielded	Tape and Reel	Through-Hole	1421318	-	-	-	-	(2)
		Tray/Blister Pack	Through-Hole	1421315	-	-	-	-	(2)
	Female, Black Insert	Tape and Reel	Through-Hole	1420829	-	-	-	-	(2)
		Tray/Blister Pack	Through-Hole	1420818	-	-	-	-	(2)
	Female, Black Insert, Standard	Rear Mount M16x1.5 Thread	Wave Solder	1415338	-	-	-	-	

(1) Hex nut 1504097 sold separately. (2) See table on page 22 for available housings.

## Additional M12 Power products

### Housings for PCB-mounted device connectors

	Coding:	L, K, M		S and T		T				
		Solder Type:	THR		THR		SMD			
			Orientation:	Pin	Socket	Pin	Socket	Pin	Socket	Tolerance Compensating Housings
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	1420824 *	1420825 *	1417984	1417989	1412078	1412079	Black Fixing Sleeve	1419568
	M14 x 1	Push-pull **	1108115	1249213	-	-	-	-		
	M16 x 1	Push-pull ** (female countersunk)"	-	1454491	-	-	-	-		
Rear Mounting	Press-In	Standard	-	-	1437892	1437889	1412080	1412081	Water Blue Fixing Sleeve	1419565
	M14 x 1	Standard	1420826	1420827	-	-	-	-	Green Fixing Sleeve	1419566
	M15 x 1	SPEEDCON	-	-	1413999	1414020	1414002	1414023	Violet Fixing Sleeve	1419567
	M15 x 1	Standard	-	-	1413997	1414004	1414000	1414021		
	M15 x 1	Push-pull **	1108101	-	-	-	-	-		
	M16 x 1	Push-pull **	-	1249217	-	-	-	-		

\* Flat nut 1412077 sold separately

\*\* Push-pull housings are backward-compatible with full thread connections

### Adapter cables for Mini 7/8" to M12 Power

4 and 5 pin, DC cordsets		Gender					
Configuration	Cable	Shielded	Mini 7/8"	M12	1 m	1.5 m	
	Black PUR	No	Male	Female	1141427	-	
	Black PUR	No	Female	Male	1141426	-	
	Black PUR	No	Male	Female	-	1141425	
	Black PUR	No	Female	Male	-	1141424	

### Mini 7/8" field-wired connectors for use on M12 cordsets

Configuration	Termination	Positions	Cable OD	Wire	Shielded	Current	Voltage	Article No.
	Screw	4	10 - 12 mm	22 - 16 AWG	No	9 A	300 V	1521355
	Screw		6 - 8 mm	22 - 16 AWG	No	9 A	300 V	1521342
	Screw	5	10 - 12 mm	22 - 14 AWG	No	9 A	300 V	1456284
	Screw		10 - 12 mm	22 - 16 AWG	No	9 A	300 V	1521397
	Screw		12 - 14 mm	22 - 14 AWG	No	9 A	300 V	1456268
	Screw		12 - 14 mm	22 - 16 AWG	No	9 A	300 V	1559071
	Screw	4	10 - 12 mm	22 - 16 AWG	No	9 A	300 V	1521384
	Screw		8 - 10 mm	22 - 14 AWG	No	9 A	300 V	1456271
	Screw	5	10 - 12 mm	22 - 16 AWG	No	9 A	300 V	1521339
	Screw		6 - 8 mm	22 - 16 AWG	No	9 A	300 V	1521326
	Screw		10 - 12 mm	22 - 14 AWG	No	9 A	300 V	1456213
	Screw		10 - 12 mm	22 - 16 AWG	No	9 A	300 V	1521371
Screw	5	12 - 14 mm	22 - 14 AWG	No	9 A	300 V	1456239	
Screw		12 - 14 mm	22 - 16 AWG	No	9 A	300 V	1559039	
Screw	5	6 - 8 mm	22 - 16 AWG	No	9 A	300 V	1521668	
Screw		8 - 10 mm	22 - 14 AWG	No	9 A	300 V	1456226	

## Additional M12 Power products

### Accessories

Description	Material	Coding	Order No.
Sealing cap for Male connectors	Plastic	S/K/M/T/L	1560251
Sealing cap for Male connectors	Metal	S/K/M/T/L	1430488
Screw plug for Female connectors	Plastic	S/T	1680539
Screw plug for Female connectors	Plastic	K/M/L	1092802

### Power distribution

Power distribution boxes			
Configuration			Article No.
	Power distribution boxes – T-code, 4pos Includes 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

Y and H distributors				
Configuration		Positions	Coding	Article No.
	Y-Distributor	3+PE	S-code	1080243
	H-Distributor			1080242
	Y-Distributor	4+PE	K-code	1080247
	H-Distributor			1080246
	Y-Distributor	4	T-code	1410632
	Y-Distributor			1080245
	H-Distributor	4+FE	L-code	1080244
	Y-Distributor			1080249
	H-Distributor			1080248





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