

M12 Power High-Performance Solution

High current capacity in tight spaces

Product Bulletin



Make better connections in demanding industrial environments.

By adhering to IEC 61076-2-111 Belden meets its performance promise and offers the highest power supply available in the M12 Power range on the market.

- **High current capacity:** Support up to 24 amps per pin at 630 V AC/DC.
- **Compact design:** Attain high-current capacity in tight spaces with space-saving S-, L-, K- and T-coded connectors.
- **Durability:** Protects against dust and water for enhanced reliability and low, long-term cost of ownership with IP65, IP67 and IP69K-rated connectors.



Key features

- Offered in various configurations, including straight and angled designs, with or without shielding, and available in cross sections from 0.75 mm² to 2.5 mm².
- Designed for voltages 63 V up to 630 V and current ratings of 16 A to 24 A.
- Delivers full power in the most challenging environments – hot, noisy, dusty, wet or dynamic applications.
- Reliable power transmission in the most extreme environments (–40°C to 125°C) with the most competitive level of power available under those conditions.
- Advanced cable flexibility with 10 Mio. bending cycles and torsion, well-suited for robotic applications.
- Rail approved (EN45545-2 & NFPA 130) LZNH M12 Power cable assemblies designed for power applications.

The M12 Power High-Performance Solution combines cordsets with a double or single-ended connection, splitters, receptacles and field attachable connectors, available with a wide range of variants for complete connection solutions.

Your Benefits

Missed connections can cost industrial organizations time, money and opportunity.

With Belden's compact M12 Power product family, you gain reliable, secure power connections in the harshest conditions where durability, flexibility and high current handling are vital. Aligned to IEC standards, the high-quality M12 Power features extended shielding technology, making it suitable for high-demand applications.

Small housing and single-face design for all variants simplify deployment, even in tight spaces, using standard tooling. Quick integration with existing technology enables systems to work in harmony while saving time and minimizing costs.

Applications

This M12 Power solution connects power sources to industrial equipment, facilitating the transmission of electrical power in automation systems, machinery and other industrial applications.

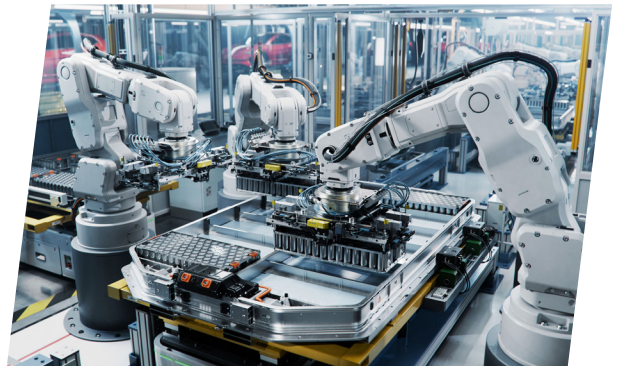
With its robust construction and high current rating, the M12 Power Series supports a wide range of industrial applications, such as automation, robotics and machinery, in a space-efficient way.

Resistant to dust and water, robust connectors reduce downtime and lower maintenance costs, offering a longer operational lifespan for systems that depend on reliable power connections.

Markets

Built to withstand stringent industrial conditions, the M12 Power Portfolio serves the needs of automotive manufacturing, machine building, mass transit, material handling, power transmission and distribution, and rolling stock sectors.

As a testament to its durability and quality, the M12 Power Series conforms to the IEC 61076-2-111 standard for connectors for electrical and electronic equipment and the IEC 60332-1 standard for flame propagation resistance. Additionally, the M12 Power solution has attained relevant Underwriters Laboratories (cULus) and appliance wiring material (AWM 20939) and Canadian Standards Association Flammability Test (CSA FT1).



M12 Power High Performance Portfolio



L-Code		Double-ended cordsets					
5-pin and 4-pin							
Rated voltage				63 V			
Rated current				10 A - 0,75 mm² / 16 A - 1,5 mm² / 24 A or 20 A* - 2,5 mm² (UL*)			
Gender	Side 1			male			
	Side 2			female			
Version	Side 1			straight		angled	
	Side 2			straight	angled	straight	angled

Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
unshielded	PUR	Grey (PROFINET)	5-pin (4+FE)	1,5 mm ² AWG 16	RST 5L-RKT 5L-949	RST 5L-RKWT 5L-949	RSWT 5L-RKT 5L-949	RSWT 5L-RKWT 5L-949
				2,5 mm ² AWG 14	RST 5L-RKT 5L-1022	RST 5L-RKWT 5L-1022	RSWT 5L-RKT 5L-1022	RSWT 5L-RKWT 5L-1022
		Black	4-pin (4 w/o FE)	1,5 mm ² AWG 16	RST 4L-RKT 4L-723	RST 4L-RKWT 4L-723	RSWT 4L-RKT 4L-723	RSWT 4L-RKWT 4L-723
				2,5 mm ² AWG 14	RST 4L-RKT 4L-1026	RST 4L-RKWT 4L-1026	RSWT 4L-RKT 4L-1026	RSWT 4L-RKWT 4L-1026
	PVC	Black	4-pin (4 w/o FE)	1,5 mm ² AWG 16	RST 4L-RKT 4L-993	RST 4L-RKWT 4L-993	RSWT 4L-RKT 4L-993	RSWT 4L-RKWT 4L-993
								
	TPE	Black (TC-ER Rated)	5-pin (4+FE)	1,5 mm ² AWG 16	RST 5L-RKT 5L-1001	RST 5L-RKWT 5L-1001	RSWT 5L-RKT 5L-1001	RSWT 5L-RKWT 5L-1001
			4-pin (4 w/o FE)		RST 4L-RKT 4L-995	RST 4L-RKWT 4L-995	RSWT 4L-RKT 4L-995	RSWT 4L-RKWT 4L-995
		Yellow (TC-ER Rated)	5-pin (4+FE)	1,5 mm ² AWG 16	RST 5L-RKT 5L-1002	RST 5L-RKWT 5L-1002	RSWT 5L-RKT 5L-1002	RSWT 5L-RKWT 5L-1002
				2,5 mm ² AWG 14	RST 5L-RKT 5L-1031**	RST 5L-RKWT 5L-1031**	RSWT 5L-RKT 5L-1031**	RSWT 5L-RKWT 5L-1031**
			4-pin (4 w/o FE)	1,5 mm ² AWG 16	RST 4L-RKT 4L-996	RST 4L-RKWT 4L-996	RSWT 4L-RKT 4L-996	RSWT 4L-RKWT 4L-996
	LSZH (EN 45545)	Grey	5-pin (4+FE)	1,5 mm ² AWG 16	RST 5L-RKT 5L-1036**	RST 5L-RKWT 5L-1036**	RSWT 5L-RKT 5L-1036**	RSWT 5L-RKWT 5L-1036**
	LSZH (NFPA 130)				RST 5L-RKT 5L-1038**	RST 5L-RKWT 5L-1038**	RSWT 5L-RKT 5L-1038**	RSWT 5L-RKWT 5L-1038**

*pending **on request



M12 Power High Performance Portfolio



L-Code		Double-ended cordsets							
5-pin and 4-pin									
Rated voltage				63 V					
Rated current				10 A - 0,75 mm² / 16 A - 1,5 mm² / 24 A or 20 A* - 2,5 mm² (UL*)					
Gender	Side 1			male					
	Side 2			female					
Version	Side 1			straight		angled			
	Side 2			straight	angled	straight	angled		

Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
shielded	PUR	Grey (PROFINET)	5-pin (4+FE)	1,5 mm² AWG 16	RSTS 5L-RKTS 5L-956	RSTS 5L-RKWTS 5L-956	RSWTS 5L-RKTS 5L-956	RSWTS 5L-RKWTS 5L-956
				2,5 mm² AWG 14	RSTS 5L-RKTS 5L-1021	RSTS 5L-RKWTS 5L-1021	RSWTS 5L-RKTS 5L-1021	RSWTS 5L-RKWTS 5L-1021
		Black	4-pin (4 w/o FE)	1,5 mm² AWG 16	RSTS 4L-RKTS 4L-722	RSTS 4L-RKWTS 4L-722	RSWTS 4L-RKTS 4L-722	RSWTS 4L-RKWTS 4L-722
				2,5 mm² AWG 14	RSTS 4L-RKTS 4L-1025	RSTS 4L-RKWTS 4L-1025	RSWTS 4L-RKTS 4L-1025	RSWTS 4L-RKWTS 4L-1025
	PVC	Black	4-pin (4 w/o FE)	1,5 mm² AWG 16	RSTS 4L-RKTS 4L-994	RSTS 4L-RKWTS 4L-994	RSWTS 4L-RKTS 4L-994	RSWTS 4L-RKWTS 4L-994
								
	TPE	Black (TC-ER Rated)	5-pin (4+FE)	1,5 mm² AWG 16	coming soon			
			4-pin (4 w/o FE)					

*pending



M12 Power High Performance Portfolio



L-Code	Single-ended cordsets			
5-pin and 4-pin				
Rated voltage	63 V			
Rated current	10 A - 0,75 mm² / 16 A - 1,5 mm² / 24 A or 20 A* - 2,5 mm² (UL*)			
Gender	male	female	male	female
Version	straight		angled	

Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
unshielded	PUR	Grey (PROFINET)	5-pin (4+FE)	1,5 mm² AWG 16	RST 5L-949	RKT 5L-949	RSWT 5L-949	RKWT 5L-949
				2,5 mm² AWG 14	RST 5L-1022	RKT 5L-1022	RSWT 5L-1022	RKWT 5L-1022
		Black	4-pin (4 w/o FE)	1,5 mm² AWG 16	RST 4L-723	RKT 4L-723	RSWT 4L-723	RKWT 4L-723
				2,5 mm² AWG 14	RST 4L-1026	RKT 4L-1026	RSWT 4L-1026	RKWT 4L-1026
	PVC	Black	4-pin (4 w/o FE)	1,5 mm² AWG 16	RST 4L-993	RKT 4L-993	RSWT 4L-993	RKWT 4L-993
								
	TPE	Black	5-pin (4+FE)	1,5 mm² AWG 16	RST 5L-1001	RKT 5L-1001	RSWT 5L-1001	RKWT 5L-1001
			4-pin (4 w/o FE)		RST 4L-995	RKT 4L-995	RSWT 4L-995	RKWT 4L-995
		Yellow	5-pin (4+FE)	1,5 mm² AWG 16	RST 5L-1002 SW	RKT 5L-1002 SW	RSWT 5L-1002 SW	RKWT 5L-1002 SW
				2,5 mm² AWG 14	RST 5L-1031**	RKT 5L-1031**	RSWT 5L-1031**	RKWT 5L-1031**
			4-pin (4 w/o FE)	1,5 mm² AWG 16	RST 4L-996 SW	RKT 4L-996 SW	RSWT 4L-996 SW	RKWT 4L-996 SW
	LSZH (EN 45545)	Grey	5-pin (4+FE)	1,5 mm² AWG 16	RST 5L-1036**	RKT 5L-1036**	RSWT 5L-1036**	RKWT 5L-1036**
					RST 5L-1038**	RKT 5L-1038**	RSWT 5L-1038**	RKWT 5L-1038**
	LSZH (NFPA 130)	Grey						
								

*pending **on request



M12 Power High Performance Portfolio



L-Code	Single-ended cordsets			
5-pin and 4-pin				
Rated voltage	63 V			
Rated current	10 A - 0,75 mm² / 16 A - 1,5 mm² / 24 A or 20 A* - 2,5 mm² (UL*)			
Gender	male	female	male	female
Version	straight		angled	

Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
unshielded	PUR	Grey (PROFINET)	5-pin (4+FE)	1,5 mm ² AWG 16	RSTS 5L-956	RKTS 5L-956	RSWTS 5L-956	RKWTS 5L-956
				2,5 mm ² AWG 14	RSTS 5L-1021	RKTS 5L-1021	RSWTS 5L-1021	RKWTS 5L-1021
		Black	4-pin (4 w/o FE)	1,5 mm ² AWG 16	RSTS 4L-722	RKTS 4L-722	RSWTS 4L-722	RKWTS 4L-722
				2,5 mm ² AWG 14	RSTS 4L-1025	RKTS 4L-1025	RSWTS 4L-1025	RKWTS 4L-1025
	PVC	Black	4-pin (4 w/o FE)	1,5 mm ² AWG 16	RSTS 4L-994	RKTS 4L-994	RSWTS 4L-994	RKWTS 4L-994
								

*pending

L-Code		Connectors – Field attachable					
5-pin							
Rated voltage				63 V			
Rated current				16 A			
Version				straight		angled	
Gender				male	female	male	female
Termination method	Shielding	Poles	Cross section				
Crimp 	shielded	5-pin (4+FE)	0,75 mm²	RSCCS 5L/11 0,75	RKCCS 5L/11 0,75	coming soon	
			1,5 mm²	RSCCS 5L/11 1,5	RKCCS 5L/11 1,5		
			2,5 mm²	RSCCS 5L/11 2,5	RKCCS 5L/11 2,5		



M12 Power High Performance Portfolio



L-Code		Crimp Connector Accessories		
Crimp		Cross Section	Order No.	Description
	Crimping Tool incl. locator	0,75 ... 2,5 mm ²	932507004	XZC 0703
	Separate Pins		female	male
	Crimp Contact M12 Power 0,75 mm ²	0,75 mm ²	738387001 (Standard Pin)	738385001 (Standard Pin)
	Crimp PE Contact M12 Power 0,75 mm ²		738387011 (FE/PE Pin)	N/A
	Crimp Contact M12 Power 1,5 mm ²	1,5 mm ²	738387002 (Standard Pin, Locator Position P3)	738385002 (Standard Pin, Locator Position P1)
	Crimp PE Contact M12 Power 1,5 mm ²		738387012 (PE Pin, Locator Position P2)	N/A
	Crimp Contact M12 Power 2,5 mm ²	2,5 mm ²	738387003 (Standard Pin, Locator Position P3)	738385003 (Standard Pin, Locator Position P1)
	Crimp PE Contact M12 Power 2,5 mm ²		738387013 (Standard Pin, Locator Position P2)	N/A

Announcement		Coming soon			
IDC	shielded	5-pin (4+FE)	0,5 ... 2,5 mm ²	SM12I-MSSV5L	SM12I-FSSV5L
		4-pin (w/o FE)		SM12I-MSSV4L	SM12I-FSSV4L
Push-In	unshielded	5-pin (4+FE)	1,5 ... 2,5 mm ²	SM12P-MSUV5L	SM12P-FSUV5L

L-Code		Splitter			
h, H and T					
Rated voltage			63 V		
Rated current			16 A		
Version			h, H and T		
Gender	Side 1		male		
	Side 2		female		
	Side 3		female		
	Side 4 (H-Splitter)		female		
Termination method		Shielding	Poles		
	h-Splitter	unshielded	5-pin (4+FE)	MPS-8U-RST 5L-2RKT 5L	
	H-Splitter			MPS-HU-RST 5L-3RKT 5L	
	T-Splitter			MPS-TU-RST 5L-2RKT 5L	



M12 Power High Performance Portfolio



L-Code	Receptacle connectors
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Front mount		
Rated voltage	63 V	
Rated current	16 A - 1,5 mm ² / 24 A or 20 A* - 2,5 mm ² (UL*)	
Version	straight	
Gender	male	female

Shielding	Cross section	Type	Poles		
shielded	1,5 mm ²	Standard	5-pin (4+FE)	RSF6S 5L-033	RKF6S 5L-033
			4-pin (4 w/o FE)	RSF6S 4L-033	RKF6S 4L-033
		Positionable	5-pin (4+FE)	RSP6S 5L-033	RKP6S 5L-033
			4-pin (4 w/o FE)	RSP6S 4L-033	RKP6S 4L-033
		Positionable	5-pin (4+FE)	RSA0S 5L-033	N/A
			4-pin (4 w/o FE)	RSP6S 4L-033	N/A
	2,5 mm ²	Standard	5-pin (4+FE)	RSF6S 5L-034	RKF6S 5L-034
			4-pin (4 w/o FE)	RSF6S 4L-034	RKF6S 4L-034
		Positionable	5-pin (4+FE)	RSP6S 5L-034	RKP6S 5L-034
			4-pin (4 w/o FE)	RSP6S 4L-034	RKP6S 4L-034
		Flange variant	5-pin (4+FE)	RSA0S 5L-034	N/A
			4-pin (4 w/o FE)	RSA0S 4L-034	N/A

Rear mount					
shielded	1,5 mm ²	Standard	5-pin (4+FE)	RSH6S 5L-033	RKH6S 5L-033
			4-pin (4 w/o FE)	RSH6S 4L-033	RKH6S 4L-033
	2,5 mm ²	Standard	5-pin (4+FE)	RSH6S 5L-034	RKP6S 5L-034
			4-pin (4 w/o FE)	RSH6S 4L-034	RKH6S 4L-034

M12 Power High Performance Portfolio



K-Code		Double-ended cordsets						
5-pin and 4-pin								
Rated voltage					630 V			
Rated current					16 A - 1,5 mm² / 24 A or 20 A* - 2,5 mm² (UL*)			
Gender	Side 1				male			
	Side 2				female			
Version	Side 1				straight		angled	
	Side 2				straight	angled	straight	angled
Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
unshielded	PUR	Black	5-pin (4+PE)	1,5 mm² AWG 16	RST 5K-RKT 5K-911	RST 5K-RKWT 5K-911	RSWT 5K-RKT 5K-911	RSWT 5K-RKWT 5K-911
				2,5 mm² AWG 14	RST 5K-RKT 5K-1024	RST 5K-RKWT 5K-1024	RSWT 5K-RKT 5K-1024	RSWT 5K-RKWT 5K-1024
		Black	4-pin (3+PE)	1,5 mm² AWG 16	RST 4K-RKT 4K-703	RST 4K-RKWT 4K-703	RSWT 4K-RKT 4K-703	RSWT 4K-RKWT 4K-703
				2,5 mm² AWG 14	RST 4K-RKT 4K-1028	RST 4K-RKWT 4K-1028	RSWT 4K-RKT 4K-1028	RSWT 4K-RKWT 4K-1028
	PVC	Black	5-pin (4+PE)	0,75 mm² AWG 19 – AWG 20	RST 5K-RKT 5K-736	RST 5K-RKWT 5K-736	RSWT 5K-RKT 5K-736	RSWT 5K-RKWT 5K-736
				1,5 mm² AWG 16	RST 5K-RKT 5K-735	RST 5K-RKWT 5K-735	RSWT 5K-RKT 5K-735	RSWT 5K-RKWT 5K-735
			4-pin (3+PE)	1,5 mm² AWG 16	RST 4K-RKT 4K-733	RST 4K-RKWT 4K-733	RSWT 4K-RKT 4K-733	RSWT 4K-RKWT 4K-733
	LSZH (EN45545)	Black	5-pin (4+PE)	1,5 mm² AWG 16	RST 5K-RKT 5K-1033**	RST 5K-RKWT 5K-1033**	RSWT 5K-RKT 5K-1033**	RSWT 5K-RKWT 5K-1033**
	LSZH (NFPA 130)	Black	5-pin (4+PE)	1,5 mm² AWG 16	RST 5K-RKT 5K-1037**	RST 5K-RKWT 5K-1037**	RSWT 5K-RKT 5K-1037**	RSWT 5K-RKWT 5K-1037**
	shielded	PUR	Black	5-pin (4+PE)	1,5 mm² AWG 16	RSTS 5K-RKTS 5K-910	RSTS 5K-RKWTS 5K-910	RSWTS 5K-RKTS 5K-910
			2,5 mm² AWG 14		RSTS 5K-RKTS 5K-1023	RSTS 5K-RKWTS 5K-1023	RSWTS 5K-RKTS 5K-1023	RSWTS 5K-RKWTS 5K-1023
Black			4-pin (3+PE)	1,5 mm² AWG 16	RSTS 4K-RKTS 4K-700	RSTS 4K-RKWTS 4K-700	RSWTS 4K-RKTS 4K-700	RSWTS 4K-RKWTS 4K-700
				2,5 mm² AWG 14	RSTS 4K-RKTS 4K-1027	RSTS 4K-RKWTS 4K-1027	RSWTS 4K-RKTS 4K-1027	RSWTS 4K-RKWTS 4K-1027
PVC		Black	5-pin (4+PE)	1,5 mm² AWG 16	RSTS 5K-RKTS 5K-916	RSTS 5K-RKWTS 5K-916	RSWTS 5K-RKTS 5K-916	RSWTS 5K-RKWTS 5K-916
			4-pin (3+PE)		RSTS 4K-RKTS 4K-915	RSTS 4K-RKWTS 4K-915	RSWTS 4K-RKTS 4K-915	RSWTS 4K-RKWTS 4K-915

*pending **on request



M12 Power High Performance Portfolio



K-Code	Single-ended cordsets			
5-pin and 4-pin				
Rated voltage	630 V			
Rated current	16 A - 1,5 mm ² / 24 A or 20 A* - 2,5 mm ² (UL*)			
Gender	male	female	male	female
Version	straight		angled	

Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
unshielded	PUR	Black	5-pin (4+PE)	1,5 mm ² AWG 16	RST 5K-911	RKT 5K-911	RSWT 5K-911	RKWT 5K-911
				2,5 mm ² AWG 14	RST 5K-1024	RKT 5K-1024	RSWT 5K-1024	RKWT 5K-1024
		Black	4-pin (3+PE)	1,5 mm ² AWG 16	RST 4K-703	RKT 4K-703	RSWT 4K-703	RKWT 4K-703
				2,5 mm ² AWG 14	RST 4K-1028	RKT 4K-1028	RSWT 4K-1028	RKWT 4K-1028
	PVC	Black	5-pin (4+PE)	1,5 mm ² AWG 16	RST 5K-735	RKT 5K-735	RSWT 5K-735	RKWT 5K-735
				0,75 mm ² AWG 19 - AWG 20	RST 5K-736	RKT 5K-736	RSWT 5K-736	RKWT 5K-736
			4-pin (3+PE)	1,5 mm ² AWG 16	RST 4K-733	RKT 4K-733	RSWT 4K-733	RKWT 4K-733
	LSZH (EN45545)	Black	5-pin (4+PE)	1,5 mm ² AWG 16	RST 5K-1033**	RKT 5K-1033**	RSWT 5K-1033**	RKWT 5K-1033**
								
	LSZH (NFPA 130)	Black	5-pin (4+PE)	1,5 mm ² AWG 16	RST 5K-1037**	RKT 5K-1037**	RSWT 5K-1037**	RKWT 5K-1037**
								

*pending **on request





K-Code	Single-ended cordsets			
5-pin and 4-pin				
Rated voltage	630 V			
Rated current	16 A - 1,5 mm ² / 24 A or 20 A* - 2,5 mm ² (UL*)			
Gender	male	female	male	female
Version	straight		angled	

Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
shielded	PUR	Black	5-pin (4+PE)	1,5 mm² AWG 16	RSTS 5K-910	RKTS 5K-910	RSWTS 5K-910	RKWTS 5K-910
				2,5 mm² AWG 14	RSTS 5K-921	RKTS 5K-921	RSWTS 5K-921	RKWTS 5K-921
				2,5 mm² AWG 14	RSTS 5K-1023	RKTS 5K-1023	RSWTS 5K-1023	RKWTS 5K-1023
			4-pin (3+PE)	1,5 mm² AWG 16	RSTS 4K-700	RKTS 4K-700	RSWTS 4K-700	RKWTS 4K-700
				2,5 mm² AWG 14	RSTS 4K-1027	RKTS 4K-1027	RSWTS 4K-1027	RKWTS 4K-1027
		PVC	Black	5-pin (4+PE)	1,5 mm² AWG 16	RSTS 5K-916	RKTS 5K-916	RSWTS 5K-916
			4-pin (3+PE)	1,5 mm² AWG 16	RSTS 4K-915	RKTS 4K-915	RSWTS 4K-915	RKWTS 4K-915

*pending

K-Code		Connectors – Field attachable					
5-pin							
Rated voltage				630 V			
Rated current				16 A			
Version				straight		angled	
Gender				male	female	male	female
Termination method	Shielding	Poles	Cross section				
Crimp 	shielded	5-pin (4+FE)	1,5 mm²	RSCCS 5K/11 1,5	RKCCS 5K/11 1,5	coming soon	
			2,5 mm²	RSCCS 5K/11 2,5	RKCCS 5K/11 2,5		



K-Code		Crimp Connector Accessories		
		Cross Section	Order No.	Description
Crimp	Crimping Tool incl. locator	0,75 ... 2,5 mm ²	932507004	XZC 0703
	Separate Pins		female	male
	Crimp Contact M12 Power 0,75 mm ²	0,75 mm ²	738387001 (Standard Pin)	738385001 (Standard Pin)
	Crimp PE Contact M12 Power 0,75 mm ²		738387011 (FE/PE Pin)	N/A
	Crimp Contact M12 Power 1,5 mm ²	1,5 mm ²	738387002 (Standard Pin, Locator Position P3)	738385002 (Standard Pin, Locator Position P1)
	Crimp PE Contact M12 Power 1,5 mm ²		738387012 (PE Pin, Locator Position P2)	N/A
	Crimp Contact M12 Power 2,5 mm ²	2,5 mm ²	738387003 (Standard Pin, Locator Position P3)	738385003 (Standard Pin, Locator Position P1)
	Crimp PE Contact M12 Power 2,5 mm ²		738387013 (Standard Pin, Locator Position P2)	N/A

K-Code		Splitter		
h, H and T				
Rated voltage			630 V	
Rated current			12 A acc. IEC / 16 A none IEC	
Version			h, H and T	
Gender	Side 1		male	
	Side 2		female	
	Side 3		female	
	Side 4 (H-Splitter)		female	
Termination method		Shielding	Poles	
	h-Splitter	unshielded	5-pin (4+PE)	MPS-8U-RST 5K-2RKT 5K
	H-Splitter			MPS-HU-RST 5K-3RKT 5K
	T-Splitter			MPS-TU-RST 5K-2RKT 5K



K-Code	Receptacle connectors	
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Front mount		
Rated voltage	630 V	
Rated current	16 A - 1,5 mm ² / 24 A or 20 A* - 2,5 mm ² (UL*)	
Version	straight	
Gender	male	female

Shielding	Cross section	Type	Poles		
shielded	1,5 mm ²	Standard	5-pin (4+PE)	RSF6S 5K-033	RKF6S 5K-033
			4-pin (3+PE)	RSF6S 5K-033	RKF6S 4K-033
		Positionable	5-pin (4+PE)	RSP6S 5K-033	RKP6S 5K-033
			4-pin (3+PE)	RSP6S 4K-033	RKP6S 4K-033
		Positionable	5-pin (4+PE)	RSA0S 5K-033	N/A
			4-pin (3+PE)	RSA0S 4K-033	N/A
	2,5 mm ²	Standard	5-pin (4+PE)	RSF6S 5K-034	RKF6S 5K-034
			4-pin (3+PE)	RSF6S 4K-034	RKF6S 4K-034
		Positionable	5-pin (4+PE)	RSP6S 5K-034	RKP6S 5K-034
			4-pin (3+PE)	RSP6S 4K-034	RKP6S 4K-034
		Flange variant	5-pin (4+PE)	RSA0S 5K-034	N/A
			4-pin (3+PE)	RSA0S 4K-034	N/A

Rear mount					
shielded	1,5 mm ²	Standard	5-pin (4+PE)	RSH6S 5K-033	RKH6S 5K-033
			4-pin (3+PE)	RSH6S 4K-033	RKH6S 4K-033
	2,5 mm ²	Standard	5-pin (4+PE)	RSH6S 5K-034	RKH6S 5K-034
			4-pin (3+PE)	RSH6S 4K-034	RKH6S 4K-034

*pending

M12 Power High Performance Portfolio



S-Code		Double-ended cordsets						
4-pin and 3-pin								
Rated voltage				630 V				
Rated current				16 A - 1,5 mm ² / 24 A or 20 A* - 2,5 mm ² (UL*)				
Gender	Side 1			male				
	Side 2			female				
Version	Side 1			straight		angled		
	Side 2			straight	angled	straight	angled	

Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
unshielded	PUR	Black	4-pin (3+PE)	1,5 mm ² AWG 16	RST 4S-RKT 4S-703	RST 4S-RKWT 4S-703	RSWT 4S-RKT 4S-703	RSWT 4S-RKWT 4S-703
			3-pin (2+PE)**	2,5 mm ² AWG 14	RST 4S-RKT 4S-1028	RST 4S-RKWT 4S-1028	RSWT 4S-RKT 4S-1028	RSWT 4S-RKWT 4S-1028
	PVC	Black	4-pin (3+PE)	1,5 mm ² AWG 16	RST 4S-RKT 4S-733	RST 4S-RKWT 4S-733	RSWT 4S-RKT 4S-733	RSWT 4S-RKWT 4S-733
			3-pin (2+PE)**					
shielded	PUR	Black	4-pin (3+PE)	1,5 mm ² AWG 16	RSTS 4S-RKTS 4S-700	RSTS 4S-RKWTS 4S-700	RSWTS 4S-RKTS 4S-700	RSWTS 4S-RKWTS 4S-700
			3-pin (2+PE)**	2,5 mm ² AWG 14	RSTS 4S-RKTS 4S-1027	RSTS 4S-RKWTS 4S-1027	RSWTS 4S-RKTS 4S-1027	RSWTS 4S-RKWTS 4S-1027
	PVC	Black	4-pin (3+PE)	1,5 mm ² AWG 16	RSTS 4S-RKTS 4S-915	RSTS 4S-RKWTS 4S-915	RSWTS 4S-RKTS 4S-915	RSWTS 4S-RKWTS 4S-915
			3-pin (2+PE)**					

*pending **on request

M12 Power High Performance Portfolio



S-Code	Single-ended cordsets			
4-pin and 3-pin				
Rated voltage	630 V			
Rated current	16 A - 1,5 mm ² / 24 A or 20 A* - 2,5 mm ² (UL*)			
Gender	male	female	male	female
Version	straight		angled	

Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
unshielded	PUR	Black	4-pin (3+PE)	1,5 mm ² AWG 16	RST 4S-703	RKT 4S-703	RSWT 4S-703	RKWT 4S-703
			3-pin (2+PE)**	2,5 mm ² AWG 14	RST 4S-1028	RKT 4S-1028	RSWT 4S-1028	RKWT 4S-1028
	PVC	Black	4-pin (3+PE)	1,5 mm ² AWG 16	RST 4S-733	RKT 4S-733	RSWT 4S-733	RKWT 4S-733
			3-pin (2+PE)**					
shielded	PUR	Black	4-pin (3+PE)	1,5 mm ² AWG 16	RSTS 4S-700	RKTS 4S-700	RSWTS 4S-700	RKWTS 4S-700
			3-pin (2+PE)**	2,5 mm ² AWG 14	RSTS 4S-1027	RKTS 4S-1027	RSWTS 4S-1027	RKWTS 4S-1027
	PVC	Black	4-pin (3+PE)	1,5 mm ² AWG 16	RSTS 4S-915	RKTS 4S-915	RSWTS 4S-915	RKWTS 4S-915
			3-pin (2+PE)**					

*pending **on request

M12 Power High Performance Portfolio



S-Code		Connectors – Field attachable			
4-pin					
Rated voltage			630 V		
Rated current			16 A		
Version			straight		
Gender			male		female
Termination method	Shielding	Poles	Cross section		
Screw	shielded	4-pin (3+PE)	1,5 mm ²	RSCS 4S/11	RKCS 4S/11
					

S-Code		Splitter		
h, H and T				
Rated voltage		630 V		
Rated current		12 A acc. IEC / 16 A none IEC		
Version		h, H and T		
Gender	Side 1		male	
	Side 2		female	
	Side 3		female	
	Side 4 (H-Splitter)		female	
Termination method		Shielding	Poles	
	h-Splitter	unshielded	4-pin (3+PE)	MPS-8U-RST 4S-2RKT 4S
	H-Splitter			MPS-HU-RST 4S-3RKT 4S
	T-Splitter			MPS-TU-RST 4S-2RKT 4S



S-Code		Receptacle connectors			
Front mount					
Rated voltage			630 V		
Rated current			16 A - 1,5 mm ² / 24 A or 20 A* - 2,5 mm ² (UL*)		
Version			straight		
Gender			male		female
Shielding	Cross section	Type	Poles		
shielded	1,5 mm ²	Standard	4-pin (3+PE)	RSF6S 4S-033	RKF6S 4S-033
					
		Positionable	4-pin (3+PE)	RSP6S 4S-033	RKP6S 4S-033
					
		Positionable	4-pin (3+PE)	RSAOS 4S-033	N/A
					
	2,5 mm ²	Standard	4-pin (3+PE)	RSF6S 4S-034**	RKF6S 4S-034**
					
		Positionable	4-pin (3+PE)	RSP6S 4S-034**	RKP6S 4S-034**
					
		Flange variant	4-pin (3+PE)	RSAOS 4S-034**	N/A
					
Rear mount					
shielded	1,5 mm ²	Standard	4-pin (3+PE)	RSH6S 4S-033	RKH6S 4S-033
					
	2,5 mm ²	Standard	4-pin (3+PE)	RSH6S 4S-034**	RKH6S 4S-034**
					

*pending **on request

M12 Power High Performance Portfolio



T-Code		Double-ended cordsets						
4-pin								
Rated voltage				63 V				
Rated current				16 A - 1,5 mm ² / 24 A or 20 A* - 2,5 mm ² (UL*)				
Gender	Side 1			male				
	Side 2			female				
Version	Side 1			straight		angled		
	Side 2			straight	angled	straight	angled	

Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
unshielded	PUR	Grey (PROFINET)	4-pin	1,5 mm ² AWG 16	RST 4T-RKT 4T-723	RST 4T-RKWT 4T-723	RSWT 4T-RKT 4T-723	RSWT 4T-RKWT 4T-723
				2,5 mm ² AWG 14	RST 4T-RKT 4T-1026**	RST 4T-RKWT 4T-1026**	RSWT 4T-RKT 4T-1026**	RSWT 4T-RKWT 4T-1026**
	PVC	Black	4-pin	1,5 mm ² AWG 16	RST 4T-RKT 4T-993**	RST 4T-RKWT 4T-993**	RSWT 4T-RKT 4T-993**	RSWT 4T-RKWT 4T-993**
								
	TPE	Black	4-pin	1,5 mm ² AWG 16	RST 4T-RKT 4T-995**	RST 4T-RKWT 4T-995**	RSWT 4T-RKT 4T-995**	RSWT 4T-RKWT 4T-995**
								
		Yellow	4-pin	1,5 mm ² AWG 16	RST 4T-RKT 4T-996**	RST 4T-RKWT 4T-996**	RSWT 4T-RKT 4T-996**	RSWT 4T-RKWT 4T-996**
								

shielded	PUR	Black	4-pin	1,5 mm ² AWG 16	RSTS 4T-RKTS 4T-722	RSTS 4T-RKWTS 4T-722	RSWTS 4T-RKTS 4T-722**	RSWTS 4T-RKWTS 4T-722**
				2,5 mm ² AWG 14	RSTS 4T-RKTS 4T-1025**	RSTS 4T-RKWTS 4T-1025**	RSWTS 4T-RKTS 4T-1025**	RSWTS 4T-RKWTS 4T-1025**
	PVC	Black	4-pin	1,5 mm ² AWG 16	RSTS 4T-RKTS 4T-994**	RSTS 4T-RKWTS 4T-994**	RSTWS 4T-RKTS 4T-994**	RSWTS 4T-RKWTS 4T-994**
								

*pending **on request



M12 Power High Performance Portfolio



T-Code	Single-ended cordsets			
4-pin				
Rated voltage	63 V			
Rated current	16 A - 1,5 mm ² / 24 A or 20 A* - 2,5 mm ² (UL*)			
Gender	male	female	male	female
Version	straight		angled	

Shielding	Cable jacket material	Cable jacket color	Poles	Cross section				
unshielded	PUR	Black	4-pin	1,5 mm ² AWG 16	RST 4T-723	RKT 4T-723	RSWT 4T-723	RKWT 4T-723
				2,5 mm ² AWG 14	RST 4T-1026	RKT 4T-1026	RSWT 4T-1026	RKWT 4T-1026
	PVC	Black	4-pin	1,5 mm ² AWG 16	RST 4T-993	RKT 4T-993	RSWT 4T-993	RKWT 4T-993
								
	TPE	Black	4-pin	1,5 mm ² AWG 16	RST 4T-995	RKT 4T-995	RSWT 4T-995	RKWT 4T-995
								
shielded	PUR	Black	4-pin	1,5 mm ² AWG 16	RSTS 4T-722	RKTS 4T-722	RSWTS 4T-722	RKWTS 4T-722
				2,5 mm ² AWG 14	RSTS 4T-1025	RKTS 4T-1025	RSWTS 4T-1025	RKWTS 4T-1025
	PVC	Black	4-pin	1,5 mm ² AWG 16	RSTS 4T-994	RKTS 4T-994	RSWTS 4T-994	RKWTS 4T-994
								

*pending



M12 Power High Performance Portfolio



T-Code		Connectors – Field attachable			
4-pin					
Rated voltage				63 V	
Rated current				12 A	
Version				straight	
Gender				male	female
Termination method	Shielding	Poles	Cross section		
Screw	shielded	4-pin	1,5 mm²	RSCS 4T/11	RKCS 4T/11
					

T-Code		Splitter		
h, H and T				
Rated voltage			63 V	
Rated current			12 A acc. IEC / 16 A none IEC	
Version			h, H and T	
Gender	Side 1		male	
	Side 2		female	
	Side 3		female	
	Side 4 (H-Splitter)		female	
Termination method		Shielding	Poles	
	h-Splitter	unshielded	4-pin	MPS-8U-RST 4T-2RKT 4T
	H-Splitter			MPS-HU-RST 4T-3RKT 4T
	T-Splitter			MPS-TU-RST 4T-2RKT 4T

M12 Power High Performance Portfolio



T-Code		Receptacle connectors			
Front mount					
Rated voltage			63 V		
Rated current			16 A - 1,5 mm² / 24 A or 20 A* - 2,5 mm² (UL*)		
Version			straight		
Gender			male		female
Shielding	Cross section	Type	Poles		
unshielded	1,5 mm²	Standard	4-pin	RSF6U 4T-033	RKF6U 4T-033
					
		Positionable	4-pin	RSP6U 4T-033	RKP6U 4T-033
					
		Flange variant	4-pin	RSA0U 4T-033	N/A
					
	2,5 mm²	Standard	4-pin	RSF6U 4T-034**	RKF6U 4T-034**
					
		Positionable	4-pin	RSP6U 4T-034**	RKP6U 4T-034**
					
		Flange variant	4-pin	RSA0U 4T-034**	N/A
					
Rear mount					
Shielding	Cross section	Type	Poles		
unshielded	1,5 mm²	Standard	4-pin	RSH6U 4T-033	RKH6U 4T-033
					
	2,5 mm²	Standard	4-pin	RSH6U 4T-034**	RKH6U 4T-034**
					

*pending **on request



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