

M12 cabling for power applications

M12 cabling for power applications

M12 POWER connectors, screw connection, crimp connection

Further power codings can be found on our website under web code:

i Your web code: #0024



T-coded, 4-pos.



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



	Technical data		
	4-pos., unshielded	4-pos., shielded	
General data			
Degree of pollution	3	3	
Degree of protection	IP67	IP65	
Connection method	Screw connection	Crimp connection	
Connection cross section [mm ²]	0.75 mm ² ... 1.5 mm ²	1.5 mm ² ... 2.5 mm ²	
Electrical data			
Rated voltage	63 V DC	63 V DC	
Rated current	12 A (when using 1.5 mm ² conductors)	12 A (when using 1.5 mm ² conductors)	
Insulation resistance	> 10 GΩ	≥ 100 MΩ	
Material data			
Material contact/contact surface	CuZn / Au	- / -	
Contact carrier material	PA	PA	
Flammability rating in accordance with UL 94	V0	V0	
Temperature data			
Male connector/female connector	[°C]	-40 ... 85	-40 ... 85

	Ordering data					
	Order No.	Pcs./ Pkt.	Order No.	Pcs./ Pkt.	Order No.	Pcs./ Pkt.
Description						
	4-pos., unshielded		4-pos., shielded		4-pos. + FE, shielded	

Connector, cable diameter: 8 mm ... 10 mm						
Female, straight	1404644	1				
Male, straight	1404643	1				
Female, angled	1408989	1				
Male, angled	1408988	1				
Connector, cable diameter: 8 mm ... 13 mm						
Female, straight			1424710	1		
Male, straight			1424709	1		
Connector, without contacts, cable diameter: 6.5 mm ... 11 mm						
Female, straight		1027466	1			
Male, straight		1027465	1			
Connector, without contacts, cable diameter: 8 mm ... 13 mm						
Female, straight				1027480	1	1027478
Male, straight				1027479	1	1027477
Crimp contacts for male connector, gold-plated, for conductor cross-section:						
Male, 1.5 mm ² , AWG 14		1029394	1		1029394	1
Male, 2.5 mm ²		1029388	1		1029388	1
PE male, 1.5 mm ² , AWG 14		1029398	1			
PE male, 2.5 mm ²		1029389	1			
PE female, 1.5 mm ² , AWG 14					1029401	1
PE female, 2.5 mm ²					1029393	1
Crimp contacts for female connector, gold-plated, for conductor cross-section:						
Female, 1.5 mm ² , AWG 14		1029395	1		1029396	1
Female, 2.5 mm ²		1029390	1		1029392	1
PE female, 1.5 mm ² , AWG 14		1029400	1			
PE female, 2.5 mm ²		1029391	1			
PE male, 1.5 mm ² , AWG 14					1029398	1
PE male, 2.5 mm ²					1029389	1

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S-coded, 2-, 3-pos.+PE



K-coded, 4-pos.+PE



	Technical data			Technical data		
	2-pos. + PE, unshielded	3-pos. + PE, unshielded	3-pos. + PE, shielded	4-pos. + FE, unshielded	4-pos. + PE, shielded	
General data						
Degree of pollution	3	3	3	3	3	
Degree of protection	IP67	IP67	IP65	IP67	IP65	
Connection method	Screw connection	Screw connection	Crimp connection	Screw connection	Crimp connection	
Connection cross section [mm ²]	0.75 mm ² ... 1.5 mm ²	0.75 mm ² ... 1.5 mm ²	1.5 mm ² ... 2.5 mm ²	1.5 mm ² ... 2.5 mm ²	1.5 mm ² ... 2.5 mm ²	
Electrical data						
Rated voltage	230 V AC	630 V AC	690 V AC	630 V AC	690 V AC	
Rated current	16 A (when using 1.5 mm ² conductors)	12 A (when using 1.5 mm ² conductors)	12 A (when using 1.5 mm ² conductors)	12 A (when using 2.5 mm ² conductors)	16 A (when using 2.5 mm ² conductors)	
Insulation resistance	> 10 GΩ	> 10 GΩ	≥ 100 MΩ	> 10 GΩ	≥ 100 MΩ	
Material data						
Material contact/contact surface	CuZn / Au	CuZn / Au	- / -	CuZn / Au	- / -	
Contact carrier material	PA	PA	PA	PA	PA	
Flammability rating in accordance with UL 94	V0	V0	V0	V0	V0	
Temperature data						
Male connector/female connector	[°C]	-40 ... 85	-40 ... 85	-40 ... 85	-40 ... 85	

	Ordering data					
	Order No.	Pcs./ Pkt.	Order No.	Pcs./ Pkt.	Order No.	Pcs./ Pkt.
Description						
	2-pos. + PE, unshielded		3-pos. + PE, unshielded		3-pos. + PE, shielded	

Connector, cable diameter: 6 mm ... 8 mm						
Female, straight	1419640	1				
Male, straight	1419639	1				
Female, angled	1419642	1				
Male, angled	1419641	1				
Connector, cable diameter: 8 mm ... 10 mm						
Female, straight		1404642	1			
Male, straight		1404641	1			
Female, angled		1408987	1			
Male, angled		1408985	1			
Connector, cable diameter: 8 mm ... 13 mm						
Female, straight				1424708	1	
Male, straight				1424707	1	
Connector, without contacts, cable diameter: 6.5 mm ... 11 mm						
Female, straight			1027469	1		
Male, straight			1027467	1		
Connector, without contacts, cable diameter: 8 mm ... 13 mm						
Female, straight					1027476	1
Male, straight					1027474	1
Crimp contacts for male connector, gold-plated, for conductor cross-section:						
Male, 1.5 mm ² , AWG 14			1029394	1		1029394
Male, 2.5 mm ²			1029388	1		1029388
PE male, 1.5 mm ² , AWG 14			1029398	1		
PE male, 2.5 mm ²			1029389	1		
PE female, 1.5 mm ² , AWG 14					1029401	1
PE female, 2.5 mm ²					1029393	1
Crimp contacts for female connector, gold-plated, for conductor cross-section:						
Female, 1.5 mm ² , AWG 14			1029395	1		1029396
Female, 2.5 mm ²			1029390	1		1029392
PE female, 1.5 mm ² , AWG 14			1029400	1		
PE female, 2.5 mm ²			1029391	1		
PE male, 1.5 mm ² , AWG 14					1029398	1
PE male, 2.5 mm ²					1029389	1