

Your Global Automation Partner

TURCK

Overview M12 Power Product Series



Products are linked with further information.

M12 Power – Products

Power for your applications

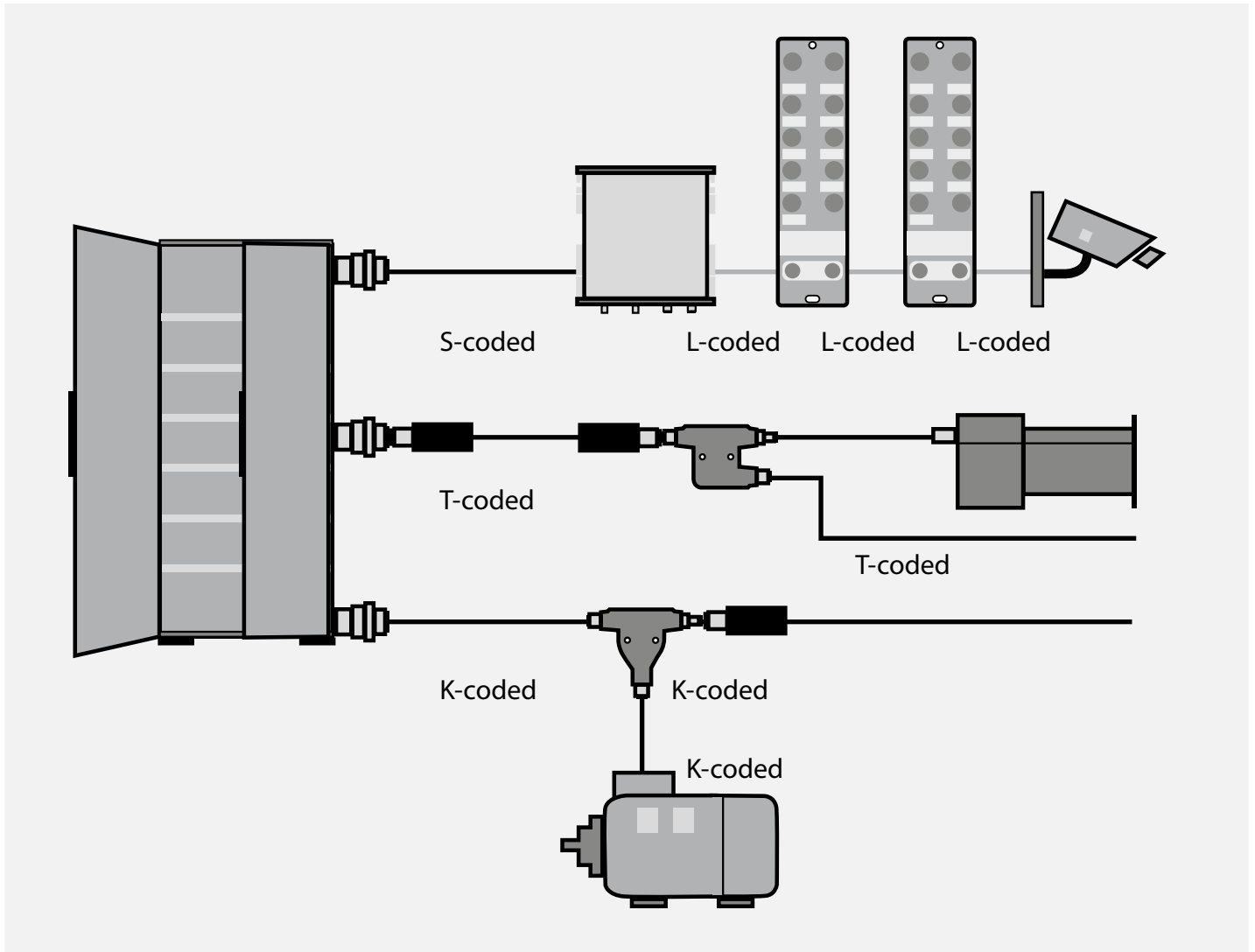
The M12 Power product series consists of cordsets, connectors, receptacles, splitters and adapter cables M12 to 7/8". The combination of connection and extension cables, field-wireable connectors, splitters and receptacles enables a structured and decentralized power supply, from the PSU via the control cabinet to any end device. The products offer maximum performance in an extremely space-saving design.

Benefits of M12 Power

- Safe to operate: M12 Power has been developed according to DIN EN 61076-2-111 and offers outstanding power transfer performance while meeting global standards such as UL
- Reliable: extremely powerful energy transmission, even at high ambient temperatures. Extended derating ensures maximum operating times
- Extensive: wide range of codings (S, L, K, T), overmolded lines, and field-wireable connectors, receptacles, tees and adapter cables - ideal solutions for almost all industries and applications



Power Supply – Compact and Reliable

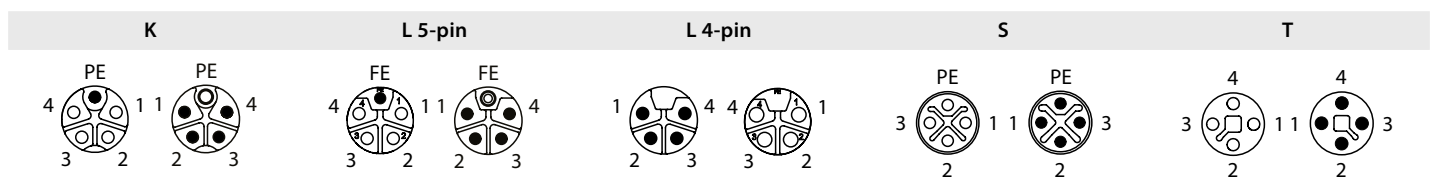


The 4- and 5-pin L-coded and 4-pin T-coded M12 Power connectors are specifically designed for use on 63 VDC/16 A power supplies. Low-voltage applications with moving parts in dusty, damp or hot environments are mastered with flying colors by the new connectors. Motors and drives, network devices and fieldbus Ethernet

components are optimally supplied thanks to the innovative L-coded M12 Power connectors.

The 5-pin K-coded and 4-pin S-coded versions are designed for voltage supplies up to 63 VAC/16 A and are particularly suitable for supplying power to AC motors

and drives, frequency converters and motor starters as well as emergency power supplies of control systems



M12 Power – Cordsets

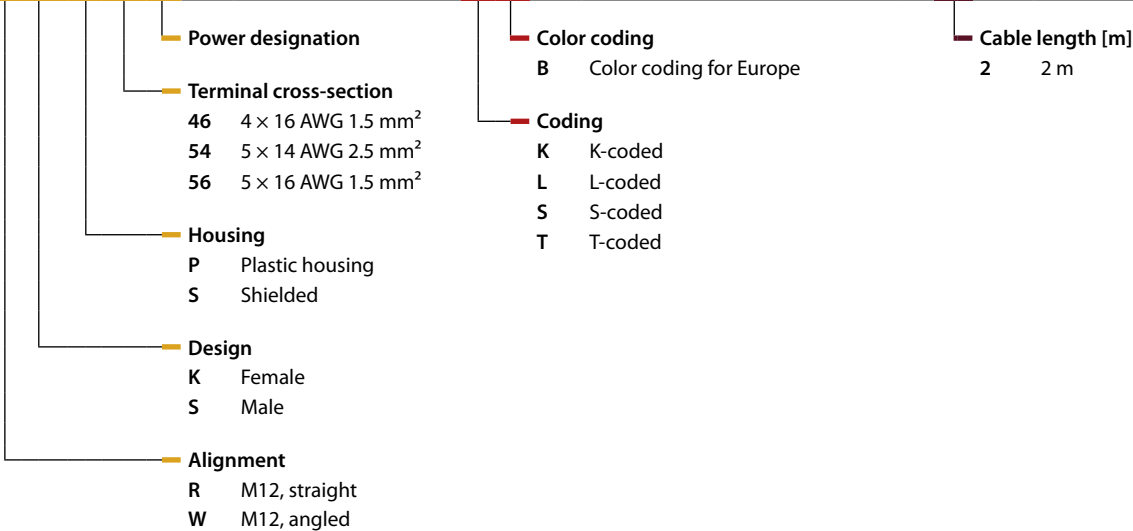


- UL 2237 approved
- Cables with core cross-section of 2.5 mm² or 1.5 mm²
- Withstand high mechanical stresses
- Robust: Resistant to UV and ozone, extended temperature range
- Customized length variants possible
- Reliable EMC protection through optional shielding
- PUR cable jacket: oil resistant, halogen free, suitable for drag chain use
- Meet the requirements of the PNO (Profibus User Organization)
- Designed according to IEC 61076-2-1111
- Use in the wet areas of machine tools and transfer lines possible
- Reliable use due to high protection classes IP65, IP67, IP69K

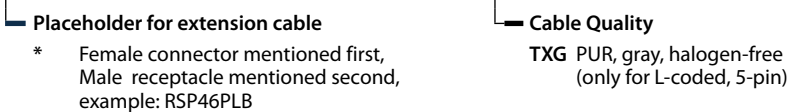
Type code

R K P 56 P L B - 2 -* / /TXG

R K P 56 P Grip body **L B** Coding - **2** Cable length



-* Placeholder for extension cable / **TXG** Cable Quality



	K-coded 16 A 630 VAC	L-coded 16 A 63 VDC	S-coded 16 A 630 VAC	T-coded 16 A 63 VDC		
Female Open	Unshielded*					
	Length	ID				
	0.5	100003294	100003359	100028655	100003341	100003329
	1	100003295	100003321	100028656	100003342	100003330
	2	100003296	100006303	100028657	100003343	100003332
	Shielded*					
	Length	ID				
	0.5	100023967	100023717	x	100023984	100024001
	1	100023968	100023934	x	100023985	100024002
	2	100023969	100023935	x	100023986	100024003
Male Open	Unshielded*					
	Length	ID				
	0.5	100031023	100031099	100031151	100031154	100031201
	1	100031024	100018907	100031103	100031198	100031371
	2	100031025	100018910	100028652	100031199	100031372
	Shielded*					
	Length	ID				
	0.5	100031374	100031459	x	100031466	100031470
	1	100031375	100031463	x	100031467	100031471
	2	100031376	100031464	x	100031468	100031473
Female Male	Unshielded*					
	Length	ID				
	0.3	100003301	100003318	100028662	100003358	100003337
	0.5	100003301	100031101	100031152	100031200	100031373
	1	100003304	100003320	100028664	100004418	100003340
	2	100003306	100003327	100028666	100004420	100004536
	5	100003310	100003339	100028669	100004939	100004539
	10	100003328	100003349	100028671	100006596	100004541
	shielded*					
	Length	ID				
	0.3	100023974	100023940	x	100023991	100024008
	0.5	100031456	100031465	x	100031469	100031474
	1	100023976	100023942	x	100023993	100024010
	2	100023978	100023944	x	100023995	100024012
	5	100023981	100023947	x	100023998	100024015
	10	100023983	100023949	x	100024000	100024017

* Other cable lengths and versions are also available, 5-pin L-coded cables also available in 2.5 mm².



Products are linked with further information.

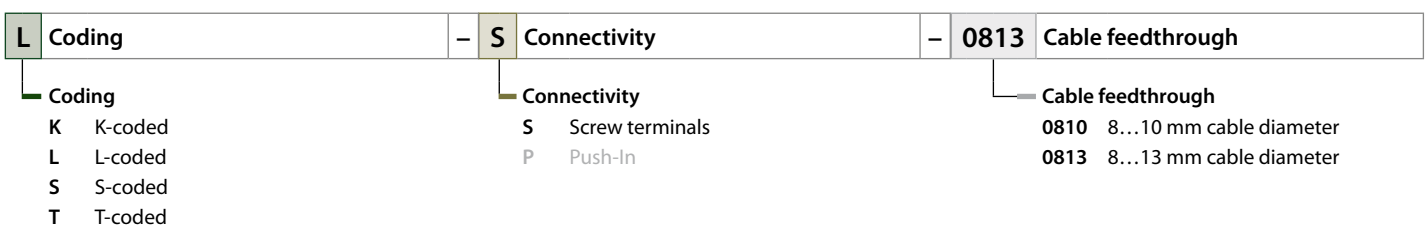
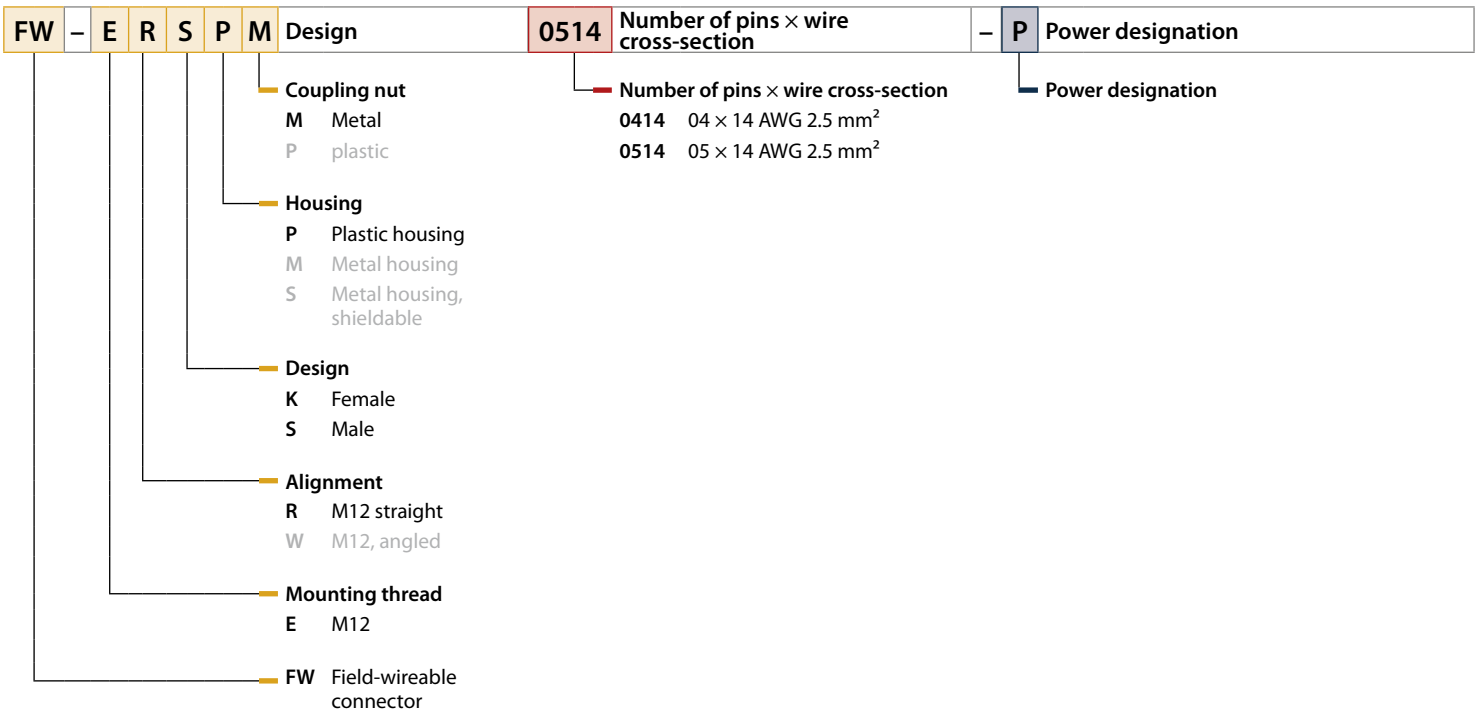
M12 Power – Field-wireable Connectors



- Powerful: DC and AC applications up to 12 A and 63 V or 630 V
- Reliable and established connection Technology, screw terminals
- Cable feed through from 8 to 13 mm
- Allows flexible and individual connector solutions
- Protected seal in the M12 female connector
- Reliable use ensured by protection class IP67
- Designed acc. to IEC 61076-2-1111
- Designed for industrial applications in the field of factory automation
- Connection cross-section 1.5 mm² with wire end sleeve and 2.5 mm² without wire end sleeve

Type code

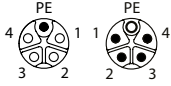
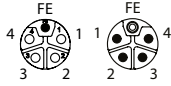
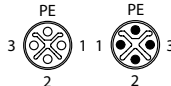
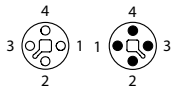




FW - **E** **R** **S** **P** **M** **0514** - **P** **L** - **S** - **0813**



		K-coded 12 A 630 VAC	L-coded 12 A 63 VDC	S-coded 12 A 630 VAC	T-coded 12 A 63 VDC
					
Female	ID	100008137	100008139	100026332	100026334
					
Male	ID	100008138	100008140	100026335	100026335
					



Products are linked with further information.

		K-coded 12 A 630 VAC	L-coded 16 A 63 VDC	S-coded 12 A 630 VAC	T-coded 12 A 63 VDC
					
Front-panel mounting	Length	ID			
Female					
	0.5	100003940	100003949	U2-28509	U2-28491
	1	100003941	100003950	U2-28510	U2-28492
	2	100003942	100003951	U2-29265	U2-29258
Front-panel mounting	Length	ID			
Male					
	0.5	100003943	100003946	U2-28500	U2-28482
	1	100003944	100003947	U2-28501	U2-28483
	2	100003945	100003948	U2-29262	U2-29254
Back-panel mounting	Length	ID			
Female					
	0.5	100028358	100028352	U2-28512	U2-28494
	1	100028359	100028353	U2-28513	U2-28495
	2	100028360	100028354	U2-29266	U2-29259
Back-panel mounting	Length	ID			
Male					
	0.5	100028361	100028355	U2-28503	U2-28485
	1	100028362	100028356	U2-28504	U2-28486
	2	100028363	100028357	U2-29263	U2-29255



Products are linked with further information.

M12 Power – Splitters



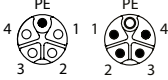
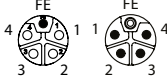
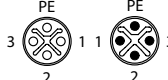
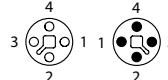



- Powerful: DC and AC applications up to 12 A and 63 V or 630 V
- Various designs to suit the use in confined spaces
- UL 2237 approved
- Secure fixing through mounting hole
- Enables serial cabling structure at the field level
- Designed acc. to IEC 61076-2-1111
- Reliable use thanks to high protection classes (IP65, IP67, IP68)

Type code

VT2 – **M12** **L** – **M5** – **2F5**

VT2	Design	–	M12	Connection thread		L	Coding	–
	Tees VT2 Tee VH3 h style Tee ("small h") VH3 H style Tee ("big H")			Connection thread M12 M12 × 1			Coding K K-coded L L-coded S S-coded T T-coded	

M5	Trunk	–	2F5	Trunk and drop
	Trunk M4 Male, 4-pin M5 Male, 5-pin			Trunk and drop 2F4 Female trunk, female drop, 4-pin 2F5 Female trunk, female drop, 5-pin 3F4 Female trunk, 2 × female drop, 4-pin 3F5 Female trunk, 2 × female drop, 5-pin

	K-coded 12 A 630 VAC	L-coded 12 A 63 VDC	S-coded 12 A 630 VAC	T-coded 12 A 63 VDC
				
H style Tee ("big H")	ID			
	100028590	100028591	100028592	100028593
h style Tee ("small h")	ID			
	100028585	100028587	100028588	100028589
Tee	ID			
	100029331	100028579	100028580	100028581



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