

L-CODED M12 POWER

SMALL SIZE, HIGH CAPACITY

Murrelektronik's L-coded M12 Power connectors are compact and powerful. As they become more and more established on the market they are quickly becoming the new standard. L-coded M12 Power connectors are a safe, pluggable connection for linear drives, stepper motors and fieldbus power supply modules. They are the alternative to 7/8" connectors for applications that require high power density in a compact space.



Powerful, compact, flexible, safe and standardized

- Industry Standard Coded Connections according to IEC 61076-2-111
- UL-Listed Power Cable Assemblies for Industrial Machinery (PVVA – UL 2237)
- IP67 Rated
- Halogen-free PUR overmold
- Suitable for use in the toughest industrial applications
- Integrated vibration protection






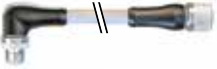













MEETS ALL INDUSTRIAL REQUIREMENTS

The connectors are molded with highly-resistant, halogen-free PUR material which makes them suitable for harsh industrial applications. The integrated conduit retainer ensures safe connections, even in applications that are exposed to shock or vibration.

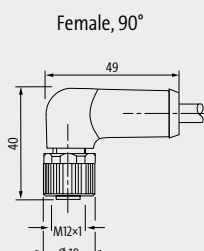
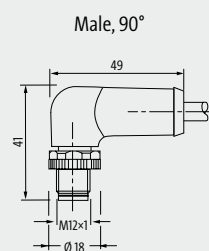
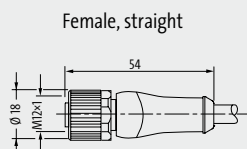
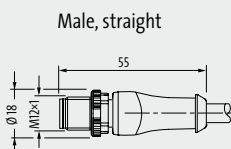
M12 POWER, L-CODED

ORDERING DATA

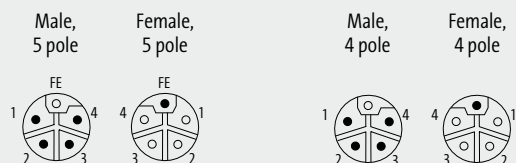
Open ended wires	Description	Style	Cable type (x)	Specification
	Male straight, 5 pole	7000-P4201-x	P04 P34	1,5 mm ² 2,5 mm ²
	Male straight, 4 pole	7000-P4101-x	P07 P37	1,5 mm ² 2,5 mm ²
	Male 90°, 5 pole	7000-P4211-x	P04 -	1,5 mm ² -
	Male 90°, 4 pole	7000-P4111-x	P07 -	1,5 mm ² -
	Female straight, 5 pole	7000-P4221-x	P04 P34	1,5 mm ² 2,5 mm ²
	Female straight, 4 pole	7000-P4121-x	P07 P37	1,5 mm ² 2,5 mm ²
	Female 90°, 5 pole	7000-P4231-x	P04 -	1,5 mm ² -
	Female 90°, 4 pole	7000-P4131-x	P07 -	1,5 mm ² -
Connection cables	Description	Style	Cable type (x)	Specification
	Male straight / Female straight, 5 pole	7000-P4241-x	P04 P34	1,5 mm ² 2,5 mm ²
	Male straight / Female straight, 4 pole	7000-P4141-x	P07 P37	1,5 mm ² 2,5 mm ²
	Male straight / Female 90°, 5 pole	7000-P4251-x	P04 -	1,5 mm ² -
	Male straight / Female 90°, 4 pole	7000-P4151-x	P07 -	1,5 mm ² -
	Male 90° / Female straight, 5 pole	7000-P4261-x	P04 -	1,5 mm ² -
	Male 90° / Female straight, 4 pole	7000-P4161-x	P07 -	1,5 mm ² -
	Male 90° / Female 90°, 5 pole	7000-P4271-x	P04 -	1,5 mm ² -
	Male 90° / Female 90°, 4 pole	7000-P4171-x	P07 -	1,5 mm ² -
Flange connectors	Description	Style	Cable type (x)	Specification
	Male, front wall mounting, 5 pole	7000-P4281-x	980 927	1,5 mm ² 2,5 mm ²
	Male, front wall mounting, 4 pole	7000-P4181-x	944 926	1,5 mm ² 2,5 mm ²
	Female, front wall mounting, 5 pole	7000-P4291-x	980 927	1,5 mm ² 2,5 mm ²
	Female, front wall mounting, 4 pole	7000-P4191-x	944 926	1,5 mm ² 2,5 mm ²
	Male, rear wall mounting, 5 pole	7000-P4285-x	980 927	1,5 mm ² 2,5 mm ²
	Male, rear wall mounting, 4 pole	7000-P4185-x	944 926	1,5 mm ² 2,5 mm ²
Image similar	Female, rear wall mounting, 5 pole	7000-P4295-x	980 927	1,5 mm ² 2,5 mm ²
Image similar		7000-P4195-x	944 926	1,5 mm ² 2,5 mm ²

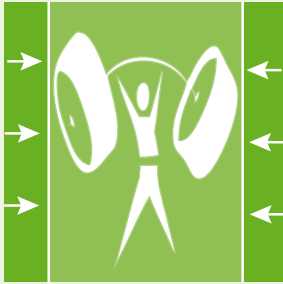
Adapter	Description	Style	Cable type (x)	Specification
	M12 male / 7/8" female, 5 pole	7000-P4501-x	P04	1,5 mm ²
	M12 male / 7/8" female, 4 pole	7000-P4504-x	P34	2,5 mm ²
	M12 female / 7/8" male, 5 pole	7000-P4541-x	P07	1,5 mm ²
	M12 female / 7/8" male, 4 pole	7000-P4544-x	P37	2,5 mm ²
PushPull adapter	Description	Style	Cable type (x)	Specification
	M12 male / Aida PushPull, 5 pole	7000-P4451-x	P04	1,5 mm ²
	M12 male / Aida PushPull, 4 pole	7000-P4454-x	P34	2,5 mm ²
	M12 female / Aida PushPull, 5 pole	7000-P4471-x	P07	1,5 mm ²
	M12 female / Aida PushPull, 4 pole	7000-P4474-x	P37	2,5 mm ²
Distributor	Description	Style	Cable type (x)	Specification
	T-coupler, 1 x M12 male / 2 x M12 female	7000-P4901	-	-
			-	-
			-	-
	H-coupler, 1 x M12 male / 3 x M12 female	7000-P4902	-	-
			-	-
			-	-
	h-coupler, 1 x M12 male / 2 x M12 female	7000-P4903	-	-
			-	-
			-	-

DIMENSION SKETCHES



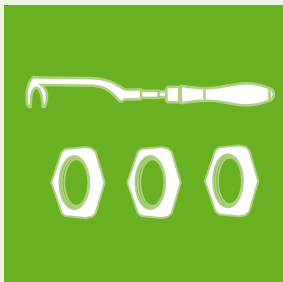
TECHNICAL DATA





HIGH PERFORMANCE IN A VERY SMALL SPACE

63 V AC/DC power transmission rates (up to 16 A continuous load) make them suitable for a wide range of applications.



QUICK AND SAFE ASSEMBLY

A coding arrow on the mold combined with a hex screw and nut make assembly easy. Using Murrelektronik's torque wrench (SW 17 / 0.6 Nm) ensures a properly sealed connection.



SEALED AND SAFE CONTACTS

Gold-plated contacts guarantee safe power transmission. The full overmoulding of the connectors ensures that they are permanently sealed and IP67 rated.



CONDUIT RETIANER OFFERS ADDITIONAL CABLE PROTECTION

An integrated, conduit retainer fits all standard tubings and helps provide an additional cable protection.