

COMPACT



MQ15

The strong, compact power connector

The new MQ15 is a compact and powerful connector that offers, among other things, a secure connection for asynchronous/ three-phase motors up to 7.5 kW. The 1/4 turn locking mechanism ensures fast, tight and error-free assembly in no time at all.

- Quick locking system for shortest assembly time
- 6-pole (3 power contacts up to 16A, 2 auxiliary contacts up to 10A, PE)
- UL-Listed Power Cable Assemblies for Industrial Machinery (PVVA – UL 2237)
- IP67 Rated
- Suitable for use in the toughest industrial applications
- Halogen-free PUR overmold
- Shielded and unshielded versions available

Shorter installation time



The innovative quick-connect system shortens assembly time for new installations, service and maintenance by up to 80 percent. A quarter turn is all it takes to create an IP67 rated connection that is shock and vibration proof.

Best price / performance ratio



The MQ15 transmits high currents in the smallest possible footprint. Thanks to the use of high-tech plastics and minimal use of expensive metal components, the MQ15 has an optimal price-to-performance ratio.

High quality cables

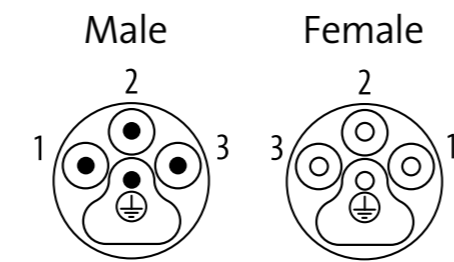


- Your choice of drag-chain compatible, highly flexible, flame-retardant, oil/chemical resistant PUR or cost-effective, chemical-resistant PVC jackets
- Up to 10 million alternating bending cycles
- Temperature range from -50 to +80 °C

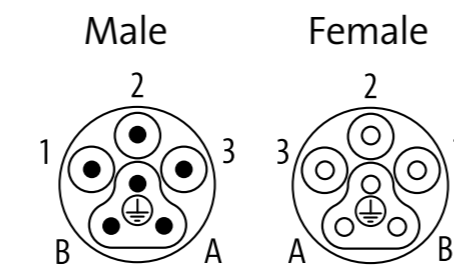
Simple power distribution



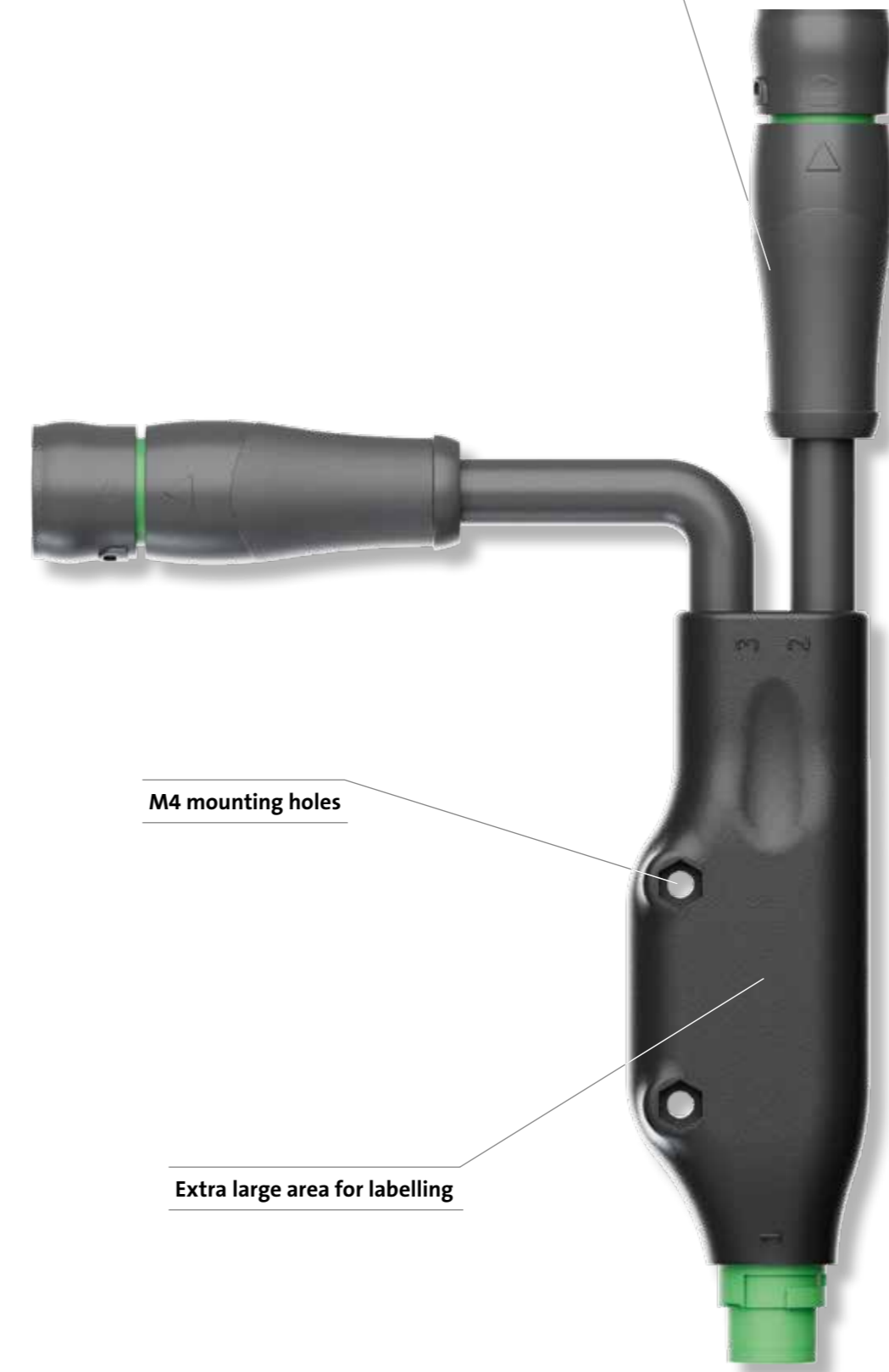
With the MQ15 h-coupler, motors can be connected easily and quickly. This means that simple patches can be made in the power supply. This significantly reduces the installation effort when connecting several motors.



MQ15 4-pole: 3x power contacts (1, 2, 3) + PE



MQ15 6-pole: 3x power contacts (1, 2, 3) + PE + 2x signal contacts (A, B)



► Motor connections made simple



With the MQ15 receptacles, motors can be converted to a pluggable solution. Motor integration is possible via the M20 × 1.5 thread. No adapters or special solutions needed!








► Accessories



Corresponding accessories can be found on the reverse.

MQ15

UNSHIELDED

Male Single Ended	Description	Design	Cable type (x)
	MQ15 male 0°, single ended, 4-pole	7000-P8201-x	P16 / P71 / P36 / P72
	MQ15 male 0°, single ended, 6-pole	7000-P8101-x	P64 / P73 / P63 / P74
Female Single Ended	Description	Design	Cable type (x)
	MQ15 female 0°, single ended, 4-pole	7000-P8221-x	P16 / P71 / P36 / P72
	MQ15 female 0°, single ended, 6-pole	7000-P8121-x	P63 / P74 / P64 / P73
	MQ15 female 90° right, single ended, 4-pole	7000-P8231-x	P16 / P71 / P36 / P72
	MQ15 female 90° right, single ended, 6-pole	7000-P8131-x	P63 / P74 / P64 / P73
	MQ15 female 90° left, single ended, 4-pole	7000-P8232-x	P16 / P71 / P36 / P72
	MQ15 female 90° left, single ended, 6-pole	7000-P8132-x	P63 / P74 / P64 / P73
Double Ended Cables	Description	Design	Cable type (x)
	MQ15 male 0° / MQ15 Power female 0°, 4-pole	7000-P8241-x	P16 / P71 / P36 / P72
	MQ15 male 0° / MQ15 Power female 0°, 6-pole	7000-P8141-x	P63 / P74 / P64 / P73
Receptacles	Description	Design	Cable type (x)
	MQ15 male receptacle, straight, front mount, 4-pole	7000-P8081-x	P81 / P82
	MQ15 male receptacle, straight, front mount, 6-pole	7000-P8181-x	P83 / P80
	MQ15 female receptacle, straight, front mount, 4-pole	7000-P8091-x	P81 / P82
	MQ15 female receptacle, straight, front mount, 6-pole	7000-P8191-x	P83 / P80

MQ15

SHIELDED










Male Single Ended	Description	Design	Cable type (x)
	MQ15 male 0°, shielded, single ended, 4-pole	7000-P8001-x	P12 / P13
	MQ15 male 0°, shielded, single ended, 6-pole	7000-P8301-x	P11
Female open cable end	Description	Design	Cable type (x)
	MQ15 female 0°, shielded, single ended, 4-pole	7000-P8021-x	P12 / P13
	MQ15 female 0°, shielded, single ended, 6-pole	7000-P8321-x	P11
	MQ15 female 90° right, shielded, single ended, 4-pole	7000-P8031-x	P12 / P13
	MQ15 female 90° right, shielded, single ended, 6-pole	7000-P8331-x	P11
	MQ15 female 90° left, shielded, single ended, 4-pole	7000-P8032-x	P12 / P13
	MQ15 female 90° left, shielded, single ended, 6-pole	7000-P8332-x	P11
Double Ended Cables	Description	Design	Cable type (x)
	MQ15 male 0° / MQ15 female 0°, shielded, 4-pole	7000-P8041-x	P12 / P13
	MQ15 male 0° / MQ15 female 0°, shielded, 6-pole	7000-P8341-x	P11
Receptacles	Description	Design	Cable type (x)
	MQ15 male receptacle, straight, shielded, front mount, 4-pole	7000-P8281-x	P81 / P82
	MQ15 male receptacle, straight, shielded, front mount, 4-pole	7000-P8291-x	P81 / P82
	MQ15 female receptacle, straight, shielded, front mount, 6-pole	7000-P8381-x	P80 / P83
	MQ15 female receptacle, straight, shielded, front mount, 6-pole	7000-P8391-x	P80 / P83

Image similar

ACCESSORIES

Field Wireables	Description	Design	Cable type (x)
	Male, crimp connection	7000-P8501-0000000	–
	Female, crimp connection	7000-P8541-0000000	–
	Male contact 1,5 mm ²	7000-P8911-0000000	–
	Female contact 1,5 mm ²	7000-P8912-0000000	–
	Male contact 2,5 mm ²	7000-P8913-0000000	–
	Female contact 2,5 mm ²	7000-P8914-0000000	–
Distribution solution	Description	Design	Cable type (x)
	T-coupler MQ15 male / 2x MQ15 female	7000-P8401-0000000	–
	h-coupler MQ15 male / 2x MQ15 female	7000-P8AAH-x	P16 / P36 / P63 / P64 / P71 / P72 / P73 / P74
Protective cap	Description	Design	Cable type (x)
	10 pieces	7000-P8907-0000000	–
	100 pieces	7000-P8906-0000000	–

UNSHIELDED CABLE TYPES

Cable type (x)	Wire cross section	Cable color	Jacket material	Outer diameter	Drag chain	Torsion	Bending values fixed	Bending values flexible
P16	4 × 1,5 mm ²	black	PUR	7,4 mm ± 5%	5 Mio	± 15°/m	5 × outerØ	10 × outerØ
P36	4 × 2,5 mm ²	black	PUR	9,0 mm ± 5%	5 Mio	± 15°/m	4 × outerØ	10 × outerØ
P63	6 × 2,5 mm ²	black	PUR	11,1 mm ± 5%	5 Mio	± 15°/m	5 × outerØ	10 × outerØ
P64	6 × 1,5 mm ²	black	PUR	9,0 mm ± 5%	5 Mio	± 15°/m	4 × outerØ	6,8 × outerØ
P71	4 × 1,5 mm ²	black	PVC	7,4 mm ± 5%	–	–	5 × outerØ	–
P72	4 × 2,5 mm ²	black	PVC	9,1 mm ± 5%	–	–	5 × outerØ	–
P73	6 × 1,5 mm ²	black	PVC	9,0 mm ± 5%	–	–	5 × outerØ	–
P74	6 × 2,5 mm ²	black	PVC	11,1 mm ± 5%	–	–	5 × outerØ	10 × outerØ

SHIELDED CABLE TYPES

Cable type (x)	Wire cross section	Cable color	Jacket material	Outer diameter	Drag chain	Torsion	Bending values fixed	Bending values flexible
P11	4 × 2,5 mm ² + 2 × 1,5 mm ²	orange	PUR	12,8 mm ± 5%	5 Mio	± 15°/m	5 × outerØ	10 × outerØ
P12	4 × 1,5 mm ²	orange	PUR	8,0 mm ± 5%	5 Mio	± 15°/m	10 × outerØ	10 × outerØ
P13	4 × 2,5 mm ²	orange	PUR	10,6 mm ± 5%	5 Mio	± 15°/m	4 × outerØ	7,5 × outerØ

RECEPTACLE CABLE TYPES

Cable type (x)	Wire cross section	Cable color	Jacket material	Outer diameter	Drag chain	Torsion	Bending values fixed	Bending values flexible
P80	6 × 2,5 mm ²	black/blue	–	3,7 mm ± 5%	–	–	5 × outerØ	–
P81	4 × 1,5 mm ²	black	–	3,0 mm ± 5%	–	–	5 × outerØ	–
P82	4 × 2,5 mm ²	black	–	3,7 mm ± 5%	–	–	5 × outerØ	–
P83	6 × 1,5 mm ²	black/blue	–	3,0 mm ± 5%	–	–	5 × outerØ	–

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