

MQ15 POWER

THE COMPACT, EASY TO INSTALL CONNECTOR

The new MQ15 Power connector is a very compact easy to install connector that provides safe connections for up to 7.5 kW asynchronous and three phase motors. Its connection technology ensures sealed assembly in no time.

Quick, powerful, compact, flexible and safe

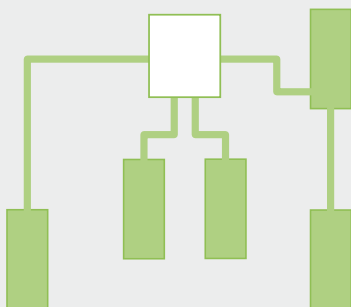
- Quick connection system equals short assembly times
- 3 power contacts up to 16 A,
2 auxiliary contacts up to 10 A, PE
- Compact design even with wide cable cross sections
- Tamper-proof
- Suitable for industrial applications thanks to flex and vibration protection



FEATURES

- Your choice of PUR (flame retardant, oil and chemical resistant) or PVC (cost-effective, chemical resistant) cable jackets
- UL Listed acc. to PVVA 2237
- 10 million bending cycles
- Temperature Range: -50 °C to +80 °C

POWER DISTRIBUTION



MOTOR CONTROL



ORDER DATA MQ15 POWER UNSHIELDED

Male, Open Ends	Description	Form	Cable Type (x)	Construction
	MQ15 Power male 0°, with cable, 4-pole	7000-P8201-x	P16	PUR (4 × 1.5 mm ²)
	MQ15 Power male 0°, with cable, 4-pole		P71	PVC (4 × 1.5 mm ²)
	MQ15 Power male 0°, with cable, 4-pole		P36	PUR (4 × 2.5 mm ²)
	MQ15 Power male 0°, with cable, 4-pole		P72	PVC (4 × 2.5 mm ²)
	MQ15 Power male 0°, with cable, 6-pole	7000-P8101-x	P64	PUR (6 × 1.5 mm ²)
	MQ15 Power male 0°, with cable, 6-pole		P73	PVC (6 × 1.5 mm ²)
	MQ15 Power male 0°, with cable, 6-pole		P63	PUR (6 × 2.5 mm ²)
	MQ15 Power male 0°, with cable, 6-pole		P74	PVC (6 × 2.5 mm ²)
Female, Open Ends	Description	Form	Cable Type (x)	Construction
	MQ15 Power female 0°, with cable, 4-pole	7000-P8221-x	P16	PUR (4 × 1.5 mm ²)
	MQ15 Power female 0°, with cable, 4-pole		P71	PVC (4 × 1.5 mm ²)
	MQ15 Power female 0°, with cable, 4-pole		P36	PUR (4 × 2.5 mm ²)
	MQ15 Power female 0°, with cable, 4-pole		P72	PVC (4 × 2.5 mm ²)
	MQ15 Power female 0°, with cable, 6-pole	7000-P8121-x	P63	PUR (6 × 2.5 mm ²)
	MQ15 Power female 0°, with cable, 6-pole		P74	PVC (6 × 2.5 mm ²)
	MQ15 Power female 0°, with cable, 6-pole		P64	PUR (6 × 1.5 mm ²)
	MQ15 Power female 0°, with cable, 6-pole		P73	PVC (6 × 1.5 mm ²)
	MQ15 Power female 90° right, with cable, 4-pole	7000-P8231-x	P16	PUR (4 × 1.5 mm ²)
	MQ15 Power female 90° right, with cable, 4-pole		P71	PVC (4 × 1.5 mm ²)
	MQ15 Power female 90° right, with cable, 4-pole		P36	PUR (4 × 2.5 mm ²)
	MQ15 Power female 90° right, with cable, 4-pole		P72	PVC (4 × 2.5 mm ²)
	MQ15 Power female 90° right, with cable, 6-pole	7000-P8131-x	P63	PUR (6 × 2.5 mm ²)
	MQ15 Power female 90° right, with cable, 6-pole		P74	PVC (6 × 2.5 mm ²)
	MQ15 Power female 90° right, with cable, 6-pole		P64	PUR (6 × 1.5 mm ²)
	MQ15 Power female 90° right, with cable, 6-pole		P73	PVC (6 × 1.5 mm ²)
	MQ15 Power female 90° left, with cable, 4-pole	7000-P8232-x	P16	PUR (4 × 1.5 mm ²)
	MQ15 Power female 90° left, with cable, 4-pole		P71	PVC (4 × 1.5 mm ²)
	MQ15 Power female 90° left, with cable, 4-pole		P36	PUR (4 × 2.5 mm ²)
	MQ15 Power female 90° left, with cable, 4-pole		P72	PVC (4 × 2.5 mm ²)
	MQ15 Power female 90° left, with cable, 6-pole	7000-P8132-x	P63	PUR (6 × 2.5 mm ²)
	MQ15 Power female 90° left, with cable, 6-pole		P74	PVC (6 × 2.5 mm ²)
	MQ15 Power female 90° left, with cable, 6-pole		P64	PUR (6 × 1.5 mm ²)
	MQ15 Power female 90° left, with cable, 6-pole		P73	PVC (6 × 1.5 mm ²)
Connection Cables	Description	Form	Cable Type (x)	Construction
	MQ15 Power male 0° / MQ15 Power female 0°, 4-pole	7000-P8241-x	P16	PUR (4 × 1.5 mm ²)
	MQ15 Power male 0° / MQ15 Power female 0°, 4-pole		P71	PVC (4 × 1.5 mm ²)
	MQ15 Power male 0° / MQ15 Power female 0°, 4-pole		P36	PUR (4 × 2.5 mm ²)
	MQ15 Power male 0° / MQ15 Power female 0°, 4-pole		P72	PVC (4 × 2.5 mm ²)
	MQ15 Power male 0° / MQ15 Power female 0°, 6-pole	7000-P8141-x	P63	PUR (6 × 2.5 mm ²)
	MQ15 Power male 0° / MQ15 Power female 0°, 6-pole		P74	PVC (6 × 2.5 mm ²)
	MQ15 Power male 0° / MQ15 Power female 0°, 6-pole		P64	PUR (6 × 1.5 mm ²)
	MQ15 Power male 0° / MQ15 Power female 0°, 6-pole		P73	PVC (6 × 1.5 mm ²)
Flanges	Description	Form	Cable Type (x)	Construction
	MQ15 Power flange male, straight, front mount, 4-pole	7000-P8081-x	P81	PVC (4 × 1.5 mm ²)
	MQ15 Power flange male, straight, front mount, 4-pole		P82	PVC (4 × 2.5 mm ²)
	MQ15 Power flange male, straight, front mount, 6-pole	7000-P8181-x	P83	PVC (6 × 1.5 mm ²)
	MQ15 Power flange male, straight, front mount, 6-pole		P80	PVC (6 × 2.5 mm ²)
	MQ15 Power flange female, straight, front mount, 4-pole	7000-P8091-x	P81	PVC (4 × 1.5 mm ²)
	MQ15 Power flange female, straight, front mount, 4-pole		P82	PVC (4 × 2.5 mm ²)
	MQ15 Power flange female, straight, front mount, 6-pole	7000-P8191-x	P83	PVC (6 × 1.5 mm ²)
	MQ15 Power flange female, straight, front mount, 6-pole		P80	PVC (6 × 2.5 mm ²)
Field-wireable	Description	Form	Cable Type (x)	Construction
	Male	7000-P8501-0000000	–	–
	Female	7000-P8541-0000000	–	–
	Socket contact 1.5 mm ²	7000-P8911-0000000	–	–
	Buchsenkontakt 1.5 mm ²	7000-P8912-0000000	–	–
	Plug contact 2.5 mm ²	7000-P8913-0000000	–	–
	Socket contact 2.5 mm ²	7000-P8914-0000000	–	–

ORDER DATA MQ15 POWER SHIELDED







Male, Open Ends	Description	Form	Cable Type (x)	Construction
	MQ15 Power male 0°, shielded, with cable, 4-pole	7000-P8001-x	P12	PUR (4 × 1.5 mm ²)
	MQ15 Power male 0°, shielded, with cable, 4-pole	7000-P8001-x	P13	PUR (4 × 2.5 mm ²)
	MQ15 Power male 0°, shielded, with cable, 6-pole	7000-P8301-x	P11	PUR (4 × 2.5 mm ² + 2 × 1.5 mm ²)
Female, Open Ends	Description	Form	Cable Type (x)	Construction
	MQ15 Power female 0°, shielded, with cable, 4-pole	7000-P8021-x	P12	PUR (4 × 1.5 mm ²)
	MQ15 Power female 0°, shielded, with cable, 4-pole	7000-P8021-x	P13	PUR (4 × 2.5 mm ²)
	MQ15 Power female 0°, shielded, with cable, 6-pole	7000-P8321-x	P11	PUR (4 × 2.5 mm ² + 2 × 1.5 mm ²)
	MQ15 Power female 90° right, shielded, with cable, 4-pole	7000-P8031-x	P12	PUR (4 × 1.5 mm ²)
	MQ15 Power female 90° right, shielded, with cable, 4-pole	7000-P8031-x	P13	PUR (4 × 2.5 mm ²)
	MQ15 Power female 90° right, shielded, with cable, 6-pole	7000-P8331-x	P11	PUR (4 × 2.5 mm ² + 2 × 1.5 mm ²)
	MQ15 Power female 90° left, shielded, with cable, 4-pole	7000-P8032-x	P12	PUR (4 × 1.5 mm ²)
	MQ15 Power female 90° left, shielded, with cable, 4-pole	7000-P8032-x	P13	PUR (4 × 2.5 mm ²)
	MQ15 Power female 90° left, shielded, with cable, 6-pole	7000-P8332-x	P11	PUR (4 × 2.5 mm ² + 2 × 1.5 mm ²)
	MQ15 Power female 90° left, shielded, with cable, 6-pole	7000-P8332-x	P11	PUR (4 × 2.5 mm ² + 2 × 1.5 mm ²)
Connection Cables	Description	Form	Cable Type (x)	Construction
	MQ15 Power male 0° / MQ15 Power female 0°, shielded, 4-pole	7000-P8041-x	P12	PUR (4 × 1.5 mm ²)
	MQ15 Power male 0° / MQ15 Power female 0°, shielded, 4-pole	7000-P8041-x	P13	PUR (4 × 2.5 mm ²)
	MQ15 Power male 0° / MQ15 Power female 0°, shielded, 6-pole	7000-P8341-x	P11	PUR (4 × 2.5 mm ² + 2 × 1.5 mm ²)
Flanges	Description	Form	Cable Type (x)	Construction
	MQ15 Power flange male, straight, shielded front mount, 4-pole	7000-P8281-x	P81	PVC (4 × 1.5 mm ²)
	MQ15 Power flange male, straight, shielded front mount, 4-pole		P82	PVC (4 × 2.5 mm ²)
	MQ15 Power flange male, straight, shielded front mount, 4-pole	7000-P8291-x	P81	PVC (4 × 1.5 mm ²)
	MQ15 Power flange male, straight, shielded front mount, 4-pole		P82	PVC (4 × 2.5 mm ²)
	MQ15 Power flange female, straight, shielded front mount, 6-pole	7000-P8381-x	P80	PVC (6 × 2.5 mm ²)
	MQ15 Power flange female, straight, shielded front mount, 6-pole		P83	PVC (6 × 1.5 mm ²)
	MQ15 Power flange female, straight, shielded front mount, 6-pole	7000-P8391-x	P80	PVC (6 × 2.5 mm ²)
	MQ15 Power flange female, straight, shielded front mount, 6-pole		P83	PVC (6 × 1.5 mm ²)
Field-wireable	Description	Form	Cable Type (x)	Construction
	Male, 7-12 mm cable diameter	7000-P8521-0000000	-	-
	Male, 10-14 mm cable diameter	7000-P8522-0000000	-	-
	Female, 7-12 mm cable diameter	7000-P8561-0000000	-	-
	Female, 10-14 mm cable diameter	7000-P8562-0000000	-	-

Image similar

UNSHIELDED CABLE TYPES

Cable Type (x)	Diameter of wire	Jacket Color	Material (jacket)	Outer Ø	C-track	Torsion	Bend radius fixed	Bend radius mobile
P63	6 × 2.5 mm ²	black	PUR	11.1 mm ± 5%	5 Mio	± 15° / m	5 × Outer Ø	10 × Outer Ø
P16	4 × 1.5 mm ²	black	PUR	7.4 mm ± 5%	5 Mio	± 15° / m	5 × Outer Ø	10 × Outer Ø
P36	4 × 2.5 mm ²	black	PUR	9.0 mm ± 5%	5 Mio	± 15° / m	4 × Outer Ø	10 × Outer Ø
P74	6 × 2.5 mm ²	black	PVC	11.1 mm ± 5%	-	-	5 × Outer Ø	10 × Outer Ø
P71	4 × 1.5 mm ²	black	PVC	7.4 mm ± 5%	-	-	5 × Outer Ø	-
P72	4 × 2.5 mm ²	black	PVC	9.1 mm ± 5%	-	-	5 × Outer Ø	-
P73	6 × 1.5 mm ²	black	PVC	9.0 mm ± 5%	-	-	5 × Outer Ø	-
P80	6 × 2.5 mm ²	black	PVC	3.7 mm ± 5%	-	-	5 × Outer Ø	-
P81	4 × 1.5 mm ²	black	PVC	3.0 mm ± 5%	-	-	5 × Outer Ø	-
P82	4 × 2.5 mm ²	black	PVC	3.7 mm ± 5%	-	-	5 × Outer Ø	-
P83	6 × 1.5 mm ²	black	PVC	3.0 mm ± 5%	-	-	5 × Outer Ø	-
P64	6 × 1.5 mm ²	black	PUR	9.0 mm ± 5%	5 Mio	± 15° / m	4 × Outer Ø	6.8 × Outer Ø

SHIELDED CABLE TYPES

Cable Type (x)	Diameter of wire	Jacket Color	Material (jacket)	Outer Ø	C-track	Torsion	Bend radius fixed	Bend radius mobile
P11	4 × 2.5 mm ² + 2 × 1.5 mm ²	orange	PUR	12.8 mm ± 5%	5 Mio	± 15° / m	5 × Outer Ø	10 × Outer Ø
P12	4 × 1.5 mm ²	orange	PUR	8.0 mm ± 5%	5 Mio	± 15° / m	10 × Outer Ø	10 × Outer Ø
P13	4 × 2.5 mm ²	orange	PUR	10.6 mm ± 5%	5 Mio	± 15° / m	4 × Outer Ø	7.5 × Outer Ø
P80	6 × 2.5 mm ²	black/blue	-	3.7 mm ± 5%	-	-	5 × Outer Ø	-
P81	4 × 1.5 mm ²	black	-	3.0 mm ± 5%	-	-	5 × Outer Ø	-
P82	4 × 2.5 mm ²	black	-	3.7 mm ± 5%	-	-	5 × Outer Ø	-
P83	6 × 1.5 mm ²	black/blue	-	3.0 mm ± 5%	-	-	5 × Outer Ø	-

HIGH PERFORMANCE IN A VERY SMALL SPACE

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



COMPATIBLE WITH ALL MOTORS WITH TERMINAL BOXES

The MQ15 Power receptacle allows you to make pluggable connections to standard M20 motor connections. It can be easily connected using the M20 x 1.5 thread – without needing any adapters or special mechanical solutions.



SEALED AND SAFE CONTACTS

Hard silver plated contacts guarantee over 500 connection cycles. The connectors are fully molded and IP67 rated.



REDUCED INSTALLATION TIME

The quick connection technology reduces installation time – a 1/4 turn is all that is needed to make a shock and vibration resistant connection.



SIMPLE POWER DISTRIBUTION

With the MQ15 T-coupler, motors can be connected to each other easily and quickly. This allows for a continuous supply of power while reducing installation efforts when connecting several motors to each other.

To order, use Article Number:
7000-P8401-0000000