

MQ15 POWER CONNECTORS



THE STRONG, COMPACT POWER CONNECTOR

MQ15 is a compact and powerful connector that offers a secure connection for asynchronous/three-phase motors up to 7.5 kW. The quarter-turn locking mechanism ensures a fast, tight and error-free assembly.

IHRE VORTEILE:

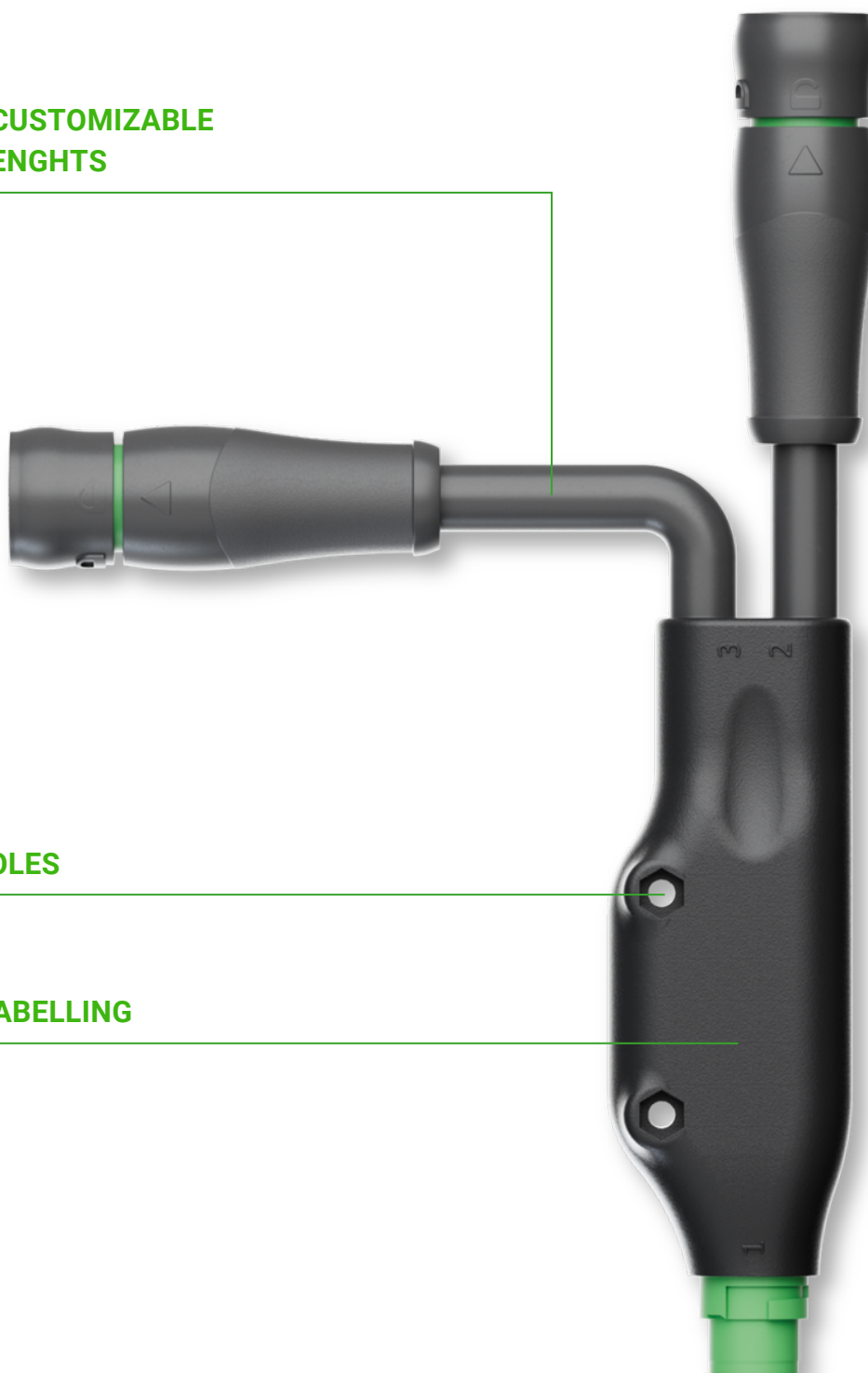
- Quick-locking system for **rapid assembly**
- **MQ15 600 V AC type 3:**
3 power contacts up to 16 A / pin &
2 auxiliary contacts up to 10 A / pin + PE
- **MQ15 48 V DC type 2:**
2 power contacts up to 20 A / pin &
3 auxiliary contacts up to 4 A / pin + PE
- **Compact design** even with large cable
- **Pre-assembled, overmolded, 100 % tested**
- **Suitable** for use in the **toughest industrial applications**
- For **worldwide use**
- **Industry Standard Size 15 – IEC 61076-2-116**



SIMPLE POWER DISTRIBUTION

Using the MQ15 h-coupler, multiple motors can be connected easily with simple patches made in the power supply. For example, this significantly reduces the installation effort when connecting multiple motors.

MQ15 – CUSTOMIZABLE CABLE LENGTHS



M4 MOUNTING HOLES

AREA FOR LABELLING

SHORTER INSTALLATION TIME

The innovative quick-locking 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. By minimizing expensive metal and using advanced plastic components, the MQ15 delivers first-rate performance at a fraction of the price.



**TAMPER RESISTANCE AND
VIBRATION PROTECTION**

INTEGRATED CONDUIT RETAINER

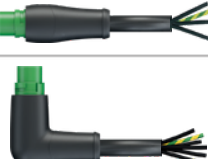
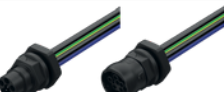
TOOL-FREE CONNECTION

IP67 RATED

**600 V AC AND UP TO 16 A
48 V DC AND UP TO 20 A**

UL LISTED ACCORDING TO PVVA 2237

MQ15 | 600 V AC – TYPE 3 UNSHIELDED

Male Single Ended	Description	Design		Cable type (x)
	MQ15 male straight, single ended, 4-pole	7000-P8201-x	7700-P8201-x*	P16 / P36 / P71 / P72 / U9N*
	MQ15 male straight, single ended, 6-pole	7000-P8101-x		P63 / P64 / P73 / P74
	MQ15 male angled 90°, single ended, 6-pole	7000-P8111-x		
	MQ15 male angled 270°, single ended, 6-pole	7000-P8112-x		
Female Single Ended	Description	Design		Cable type (x)
	MQ15 female straight, single ended, 4-pole	7000-P8221-x	7700-P8201-x*	P16 / P36 / P71 / P72 / U9N*
	MQ15 female straight, single ended, 6-pole	7000-P8121-x		P63 / P64 / P73 / P74
	MQ15 female angled 90°, single ended, 4-pole	7000-P8231-x	7700-P8231-x*	P16 / P36 / P71 / P72 / U9N*
	MQ15 female angled 90°, single ended, 6-pole	7000-P8131-x		P63 / P64 / P73 / P74
	MQ15 female angled 270°, single ended, 4-pole	7000-P8232-x	7700-P8232-x*	P16 / P36 / P71 / P72 / U9N*
	MQ15 female angled 270°, single ended, 6-pole	7000-P8132-x		P63 / P64 / P73 / P74
Double Ended Cables	Description	Design		Cable type (x)
	MQ15 male straight / MQ15 female straight, 4-pole	7000-P8241-x	7700-P8241-x*	P16 / P36 / P71 / P72 / U9N*
	MQ15 male straight / MQ15 female straight, 6-pole	7000-P8141-x		P63 / P64 / P73 / P74
	MQ15 male straight / MQ15 female angled 90°, 4-pole	7000-P8251-x	7700-P8251-x*	P16 / P36 / P71 / P72 / U9N*
	MQ15 male straight / MQ15 female angled 90°, 6-pole	7000-P8151-x		P63 / P64 / P73 / P74
	MQ15 male straight / MQ15 female angled 270°, 4-pole	7000-P8252-x	7700-P8252-x*	P16 / P36 / P71 / P72 / U9N*
	MQ15 male straight / MQ15 female angled 270°, 6-pole	7000-P8152-x		P63 / P64 / P73 / P74
	MQ15 male angled 90° / MQ15 female straight, 4-pole	7000-P8261-x		P16 / P71 / P36 / P72
	MQ15 male angled 90° / MQ15 female straight, 6-pole	7000-P8161-x		P63 / P64 / P73 / P74
	MQ15 male angled 90° / MQ15 female angled 90°, 4-pole	7000-P8271-x		P16 / P71 / P36 / P72
	MQ15 male angled 90° / MQ15 female angled 90°, 6-pole	7000-P8171-x		P63 / P64 / P73 / P74
Receptacles	Description	Design		Cable type (x)
	MQ15 male receptacle, front mount, 4-pole	7000-P8081-x		P91 / P92
	MQ15 male receptacle, front mount, 6-pole	7000-P8181-x		P95 / P96
	MQ15 female receptacle, front mount, 4-pole	7000-P8091-x		P91 / P92
	MQ15 female receptacle, front mount, 6-pole	7000-P8191-x		P95 / P96
Distribution solution	Description	Design		Cable type (x)
	MQ15 h-coupler, male / 2x female straight, 4-pole	7000-P8AAz-x		P16 / P36 / P63 / P64 / P71 / P72 / P73 / P74 z: The last letter of the second block of the part number corresponds to the following length of the upper outlet: A=0,3 m C=0,6 m E=1 m H=1,5m K=2 m Other lengths available upon request
		7000-P8ABz-x		
		7000-P8AEz-x		
	MQ15 h-coupler, male / 2x female straight, 6-pole	7000-P8BDz-x		
	MQ15 h-coupler, male / MQ15 fem. angled 90° & fem. straight, 4-pole	7000-P8EBz-x		
	MQ15 h-coupler, male / MQ15 fem. angled 90° & fem. straight, 6-pole	7000-P8FDz-x		
	MQ15 h-coupler, male / MQ15 fem. angled 270° & fem. straight, 4-pole	7000-P8JBz-x		
	MQ15 h-coupler, male / MQ15 fem. angled 270° & fem. straight, 6-pole	7000-P8KDz-x		
	T-coupler MQ15 male / 2x MQ15 female	7000-P8401-0000000		–
Panel feed through	Description	Design		Cable type (x)
	MQ15 panel feed through	7000-P8411-0000000		–

*Applies only to cable type U9N

MQ15 | 600 V AC – TYPE 3 SHIELDED

Male Single Ended	Description	Design	Cable type (x)
	MQ15 male straight, shielded, single ended, 4-pole	7000-P8001-x	P12/ P13
	MQ15 male straight, shielded, single ended, 6-pole	7000-P8301-x	P11
Female Single Ended	Description	Design	Cable type (x)
	MQ15 female straight, shielded, single ended, 4-pole	7000-P8021-x	P12 / P13
	MQ15 female straight, shielded, single ended, 6-pole	7000-P8321-x	P11
	MQ15 female angled 90°, shielded, single ended, 4-pole	7000-P8032-x	P12 / P13
	MQ15 female angled 90°, shielded, single ended, 6-pole	7000-P8332-x	P11
	MQ15 female angled 270°, shielded, single ended, 4-pole	7000-P8031-x	P12 / P13
	MQ15 female angled 270°, shielded, single ended, 6-pole	7000-P8331-x	P11
Double Ended Cables	Description	Design	Cable type (x)
	MQ15 male straight / MQ15 female straight, shielded, 4-pole	7000-P8041-x	P12 / P13
	MQ15 male straight / MQ15 female straight, shielded, 6-pole	7000-P8341-x	P11
	MQ15 male angled 90° / MQ15 female angled 90°, shielded, 4-pole	7000-P8071-x	P12
Receptacles	Description	Design	Cable type (x)
	MQ15 male receptacle, shielded, front mount, 4-pole	7000-P8281-x	P81 / P82
	MQ15 male receptacle, shielded, front mount, 6-pole	7000-P8381-x	P80 / P83
	MQ15 female receptacle, shielded, front mount, 4-pole	7000-P8291-x	P81 / P82
	MQ15 female receptacle, shielded, front mount, 6-pole	7000-P8391-x	P80 / P83

MODULAR STRUCTURE OF THE ARTICLE NUMBERS

We have structured and modularized the connector range for you.

Your desired article number is made up of a maximum of three number blocks for design, cable type and cable length. Standard lengths can be found in the table.

Are you looking for a double ended cable, male straight to female straight, 4-pole with one meter cable?

The article number is as follows:

1	2	3
7 0 0 0 - P 8 2 4 1 -	P 1 6	0 1 0 0

1 Design 7000-P8241

You choose the design:

- MQ15 male straight / MQ15 female straight, 4-pole

MQ15 600 V AC – TYPE 3 UNSHIELDED			
Male Single Ended	Description	Design	Cable type (x)
	MQ15 male straight, single ended, 4-pole	7000-P8201-x / 7000-P8201-x*	P16 / P36 / P71 / P72 / US9N*
	MQ15 male straight, single ended, 6-pole	7000-P8101-x	P63 / P64 / P73 / P74
	MQ15 male angled 90°, single ended, 4-pole	7000-P8111-x	
	MQ15 male angled 270°, single ended, 6-pole	7000-P8112-x	
Female Single Ended	Description	Design	Cable type (x)
	MQ15 female straight, single ended, 4-pole	7000-P8221-x / 7000-P8221-x*	P16 / P36 / P71 / P72 / US9N*
	MQ15 female straight, single ended, 6-pole	7000-P8121-x	P63 / P64 / P73 / P74
	MQ15 female angled 90°, single ended, 4-pole	7000-P8231-x / 7000-P8231-x*	P16 / P36 / P71 / P72 / US9N*
	MQ15 female angled 270°, single ended, 4-pole	7000-P8232-x / 7000-P8232-x*	P16 / P36 / P71 / P72 / US9N*
Double Ended Cables	Description	Design	Cable type (x)
	MQ15 male straight / MQ15 female straight, 4-pole	7000-P8241-x / 7000-P8241-x*	P16 / P36 / P71 / P72 / US9N*
	MQ15 male straight / MQ15 female straight, 6-pole	7000-P8141-x	P63 / P64 / P73 / P74
	MQ15 male straight / MQ15 female angled 90°, 4-pole	7000-P8251-x / 7000-P8251-x*	P16 / P36 / P71 / P72 / US9N*
	MQ15 male straight / MQ15 female angled 90°, 4-pole	7000-P8151-x	P63 / P64 / P73 / P74
	MQ15 male straight / MQ15 female angled 270°, 4-pole	7000-P8252-x / 7000-P8252-x*	P16 / P36 / P71 / P72 / US9N*
	MQ15 male straight / MQ15 female angled 270°, 6-pole	7000-P8152-x	P63 / P64 / P73 / P74
	MQ15 male angled 90° / MQ15 female straight, 4-pole	7000-P8161-x	P16 / P71 / P36 / P72
	MQ15 male angled 90° / MQ15 female angled 90°, 4-pole	7000-P8271-x	P63 / P64 / P73 / P74
	MQ15 male angled 90° / MQ15 female angled 90°, 6-pole	7000-P8171-x	P16 / P71 / P36 / P72

2 Cable type P16

You choose the design:

- P16 – PUR cable, black, 1,5 mm², drag chain and torsion resistant

3 Cable length

0100

You select a cable length for a double ended cables:

■ 1 m

Standard length in meters *

Single ended

1.5 (0150)	3 (0300)	5 (0500)	7.5 (0750)	10 (1000)
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Double ended cables

0.3 (0030)	0.6 (0060)	1 (0100)	1.5 (0150)	2 (0200)
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3

* Deviating cable lengths up to 2 m can be ordered in 0.2 m increments, from 2 m in 0.5 m increments.

MQ15 | 48 V DC – TYPE 2 UNSHIELDED

Male Single Ended	Description	Design	Cable type (x)
	MQ15 male straight, single ended, 6-pole	7000-P8108-x	P63
	MQ15 male angled 90°, single ended, 6-pole	7000-P8118-x	P63
Female Single Ended	Description	Design	Cable type (x)
	MQ15 female straight, single ended, 6-pole	7000-P8128-x	P63
	MQ15 female angled 90°, single ended, 6-pole	7000-P8138-x	P63
	MQ15 female angled 270°, single ended, 6-pole	7000-P8139-x	P63
Double Ended Cables	Description	Design	Cable type (x)
	MQ15 male straight / MQ15 female straight, 6-pole	7000-P8148-x	P63
	MQ15 male straight / MQ15 female angled 0°, 6-pole	7000-P8157-x	
	MQ15 male straight / MQ15 female angled 90°, 6-pole	7000-P8158-x	
	MQ15 male straight / MQ15 female angled 180°, 6-pole	7000-P8160-x	
	MQ15 male straight / MQ15 female angled 270°, 6-pole	7000-P8159-x	
Distribution solution	Description	Design	Cable type (x)
	MQ15 h-coupler, male / 2x female straight, 6-pole	7000-P8LDz-x	P63 z: The last letter of the second block of the part number corresponds to the following length of the upper outlet: A=0.3 m C=0.6 m E=1 m H=1.5 m K=2 m Other lengths available upon request
	MQ15 h-coupler, male / female angled 0° & female straight, 6-pole	7000-P8MDz-x	
	MQ15 h-coupler, male / female angled 90° & female straight, 6-pole	7000-P8NDz-x	
Receptacles	Description	Design	Cable type (x)
	MQ15 male receptacle, front mount, 6-pole	7000-P8188-x	P86
	MQ15 female receptacle, front mount, 6-pole	7000-P8198-x	
Panel feed through	Description	Design	Cable type (x)
	MQ15 panel feed through	7000-P8418-0000000	-

ACCESSORIES

Field Wireables	Description	Part number
	Male unshielded, MQ15 600 V AC type 3, screw terminal connection	7000-P8502-0000000
	Female unshielded, MQ15 600 V AC type 3, screw terminal connection	7000-P8542-0000000
	Male shielded, MQ15 600 V AC type 3, screw terminal connection	7000-P8522-0000000
	Female shielded, MQ15 600 V AC type 3, screw terminal connection	7000-P8572-0000000
	Male unshielded, MQ15 48 V DC type 2, crimp connection	7000-P8508-0000000
	Male unshielded, MQ15 600 V AC type 3, crimp connection	7000-P8501-0000000
	Female unshielded, MQ15 48 V DC type 2, crimp connection	7000-P8548-0000000
	Female unshielded, MQ15 600 V AC type 3, crimp connection	7000-P8541-0000000
	Male contact 1.5 mm ² , 100 pieces	7000-P8911-0000000
	Female contact 1.5 mm ² , 100 pieces	7000-P8912-0000000
	Male contact 2.5 mm ² , 100 pieces	7000-P8913-0000000
	Female contact 2.5 mm ² , 100 pieces	7000-P8914-0000000
Protective cap	Description	Part number
	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	Bend value flexibility	Bend value fixed
P16	4 × 1.5 mm ²	black	PUR	7.2 mm ± 5%	5 million	± 180° / m	10 × outerØ	5 × outerØ
P36	4 × 2.5 mm ²	black	PUR	8.7 mm ± 5%	5 million	± 180° / m	10 × outerØ	5 × outerØ
P63	6 × 2.5 mm ²	black	PUR	10.5 mm ± 5%	5 million	± 180° / m	10 × outerØ	5 × outerØ
P64	6 × 1.5 mm ²	black	PUR	9.0 mm ± 5%	5 million	± 180° / m	10 × outerØ	5 × outerØ
P71	4 × 1.5 mm ²	black	PVC	7.4 mm ± 5%	–	–	10 × outerØ	5 × outerØ
P72	4 × 2.5 mm ²	black	PVC	8.8 mm ± 5%	–	–	10 × outerØ	5 × outerØ
P73	6 × 1.5 mm ²	black	PVC	9.0 mm ± 5%	–	–	10 × outerØ	5 × outerØ
P74	6 × 2.5 mm ²	black	PVC	10.5 mm ± 5%	–	–	10 × outerØ	5 × outerØ
U9N	4 × AWG14	black	TPE	9.65 mm ± 5%	2 million	–	8 × outerØ	5 × outerØ

SHIELDED CABLE TYPES

Cable type (x)	Wire cross section	Cable color	Jacket material	Outer diameter	Drag chain	Torsion	Bend value flexibility	Bend value fixed
P11	4 × 2.5 mm ² + 2 × 1.5 mm ²	orange	PUR	12.8 mm ± 5%	5 million	± 15° / m	10 × outerØ	5 × outerØ
P12	4 × 1.5 mm ²	orange	PUR	8.0 mm ± 5%	5 million	± 15° / m	10 × outerØ	10 × outerØ
P13	4 × 2.5 mm ²	orange	PUR	10.6 mm ± 5%	5 million	± 15° / m	7.5 × outerØ	4 × outerØ

RECEPTACLE CABLE TYPES

Cable type (x)	Wire cross section	Wire Colors	Outer diameter wire	Bend value fixed
P80	6 × 2.5 mm ²	black numbered + gn/ye + bl labeled	3.7 mm ± 5%	5 × outerØ
P81	4 × 1.5 mm ²	black numbered + gn/ye	3.0 mm ± 5%	5 × outerØ
P82	4 × 2.5 mm ²	black numbered + gn/ye	3.7 mm ± 5%	5 × outerØ
P83	6 × 1.5 mm ²	black numbered + gn/ye + bl labeled	3.0 mm ± 5%	5 × outerØ
P86	3 × 2.5 mm ² + 3 × 0.14 mm ²	br, bl, gn/ye + wh, ye, rd	3 × 2.9 mm ± 0.1 mm + 3 × 1.0 mm ± 0.1 mm	7,5 × outerØ
P91	4 × 1.5 mm ²	black numbered + gn/ye	2.35 mm ± 0.1 mm	7,5 × outerØ
P92	4 × 2.5 mm ²	black numbered + gn/ye	2.9 mm ± 0.1 mm	7,5 × outerØ
P95	6 × 1.5 mm ²	black numbered + gn/ye + bl labeled	2.35 mm ± 0.1 mm	7,5 × outerØ
P96	6 × 2.5 mm ²	black numbered + gn/ye + bl labeled	2.9 mm ± 0.1 mm	7,5 × outerØ

Straight, angled, shielded, and unshielded:

Our online shop.

<https://murr.codes/28504>



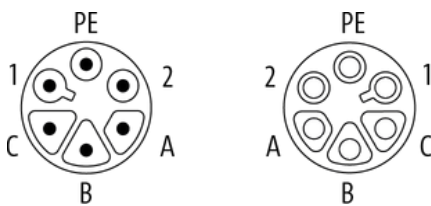
HIGH QUALITY CABLES

- drag-chain compatible, highly flexible, flame-retardant, oil/ chemical resistant PUR
- cost-effective, chemical-resistant PVC jackets
- Up to 10 million drag chain bending cycles
- Temperature range from -50 to +105 °C

MQ15 48 V DC TYPE 2

Male

Female

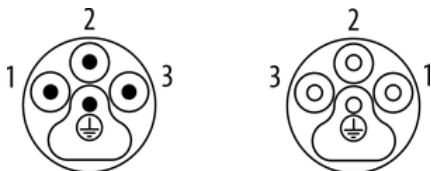


6-pole: 2x power contacts (1, 2) + PE + 3x signal contacts (A, B, C)

MQ15 600 V AC TYPE 3

Male

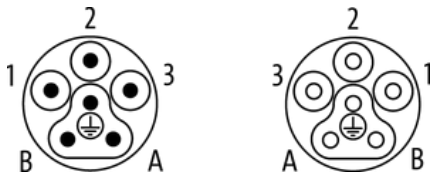
Female



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

Male

Female



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



Learn more at Shop.murrelektronik.com