

# COMPACT



As  
600 V AC and  
48 V DC version  
available!

## MQ15

### 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.

- Quick-locking system for rapid assembly
- **MQ15 600V AC type 3:**  
3 power contacts up to 16 A/pin &  
2 auxiliary contacts 10 A/pin + PE
- **MQ15 48V 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



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## Simple power distribution

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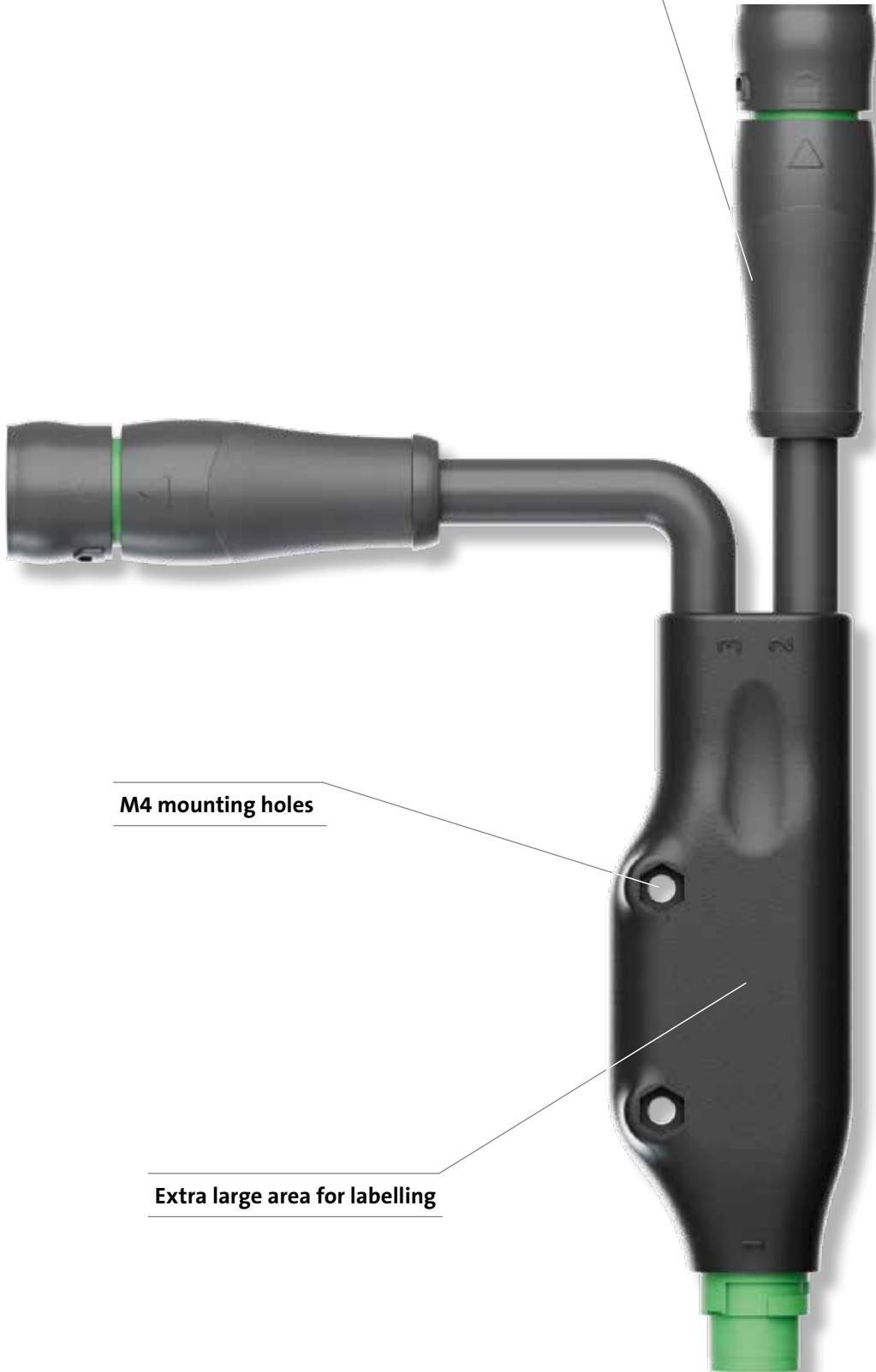


Using the MQ15 h-coupler, multiple motors can be connected easily with simple patches made in the power supply.

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**MQ15 – Customizable cable lengths**

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**M4 mounting holes**

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**Extra large area for labelling**

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## MQ15 | 600 V AC – TYPE 3

### 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 angled 90°, single ended, 4-pole	7000-P8231-x	P16 / P71 / P36 / P72
	MQ15 female angled 90°, single ended, 6-pole	7000-P8131-x	P63 / P74 / P64 / P73
	MQ15 female angled 270°, single ended, 4-pole	7000-P8232-x	P16 / P71 / P36 / P72
	MQ15 female angled 270°, single ended, 6-pole	7000-P8132-x	P63 / P74 / P64 / P73
Double Ended Cables	Description	Design	Cable type (x)
	MQ15 male 0° / MQ15 female 0°, 4-pole	7000-P8241-x	P16 / P71 / P36 / P72
	MQ15 male 0° / MQ15 female 0°, 6-pole	7000-P8141-x	P63 / P74 / P64 / P73
	MQ15 male 0° / MQ15 female angled 90°, 4-pole	7000-P8251-x	P16 / P71 / P36 / P72
	MQ15 male 0° / MQ15 female angled 90°, 6-pole	7000-P8151-x	P63 / P74 / P64 / P73
	MQ15 male 0° / MQ15 female angled 270°, 4-pole	7000-P8252-x	P16 / P71 / P36 / P72
	MQ15 male 0° / MQ15 female angled 270°, 6-pole	7000-P8152-x	P63 / P74 / P64 / P73
Receptacles	Description	Design	Cable type (x)
	MQ15 male receptacle, straight, front mount, 4-pole	7000-P8081-x	P91 / P92
	MQ15 male receptacle, straight, front mount, 6-pole	7000-P8181-x	P95 / P96
	MQ15 female receptacle, straight, front mount, 4-pole	7000-P8091-x	P91 / P92
	MQ15 female receptacle, straight, front mount, 6-pole	7000-P8191-x	P95 / P96
Distribution solution	Description	Design	Cable type (x)
	MQ15 h-coupler male / 2x male 0°, 4-pole	7000-P8AAH-x 7000-P8ABA-x 7000-P8ABK-x	P16 / P36 / P63 / P64 / P71 / P72 / P73 / P74
	MQ15 h-coupler male / 2x male 0°, 6-pole	7000-P8BDA-x 7000-P8BDE-x	
	MQ15 h-coupler male / MQ15 female angled 90° & female 0°, 4-pole	7000-P8EBA-x 7000-P8EBE-x	
	MQ15 h-coupler male / MQ15 female angled 90° & female 0°, 6-pole	7000-P8FDA-x 7000-P8FDE-x	
	MQ15 h-coupler male / MQ15 female angled 270° & female 0°, 4-pole	7000-P8IBA-x 7000-P8IBE-x	
	MQ15 h-coupler male / MQ15 female angled 270° & female 0°, 6-pole	7000-P8KDA-x 7000-P8KDE-x	
	T-coupler MQ15 male / 2x MQ15 female	7000-P8401-0000000	-

## MQ15 | 600 V AC – TYPE 3

### 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 Single Ended	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 angled 90° right, shielded, single ended, 4-pole	7000-P8032-x	P12 / P13
	MQ15 female angled 90° right, 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 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, 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

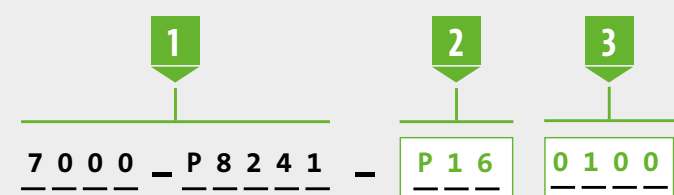
## MODULAR STRUCTURE OF THE ARTICLE NUMBERS

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 0° to female 0°, 4-pole with one meter?

The article number is as follows:



MQ15   600 V AC – TYPE 3	UNSHIELDED	SHIELDED
Male Single Ended	MQ15 male 0°, single ended, 4-pole	MQ15 male 0°, shielded, single ended, 4-pole
Female Single Ended	MQ15 female 0°, single ended, 4-pole	MQ15 female 0°, shielded, single ended, 4-pole
Double Ended Cables	MQ15 male 0° / MQ15 female 0°, 4-pole	MQ15 male 0° / MQ15 female 0°, shielded, 4-pole
Receptacles	MQ15 male receptacle, straight, front mount, 4-pole	MQ15 male receptacle, shielded, front mount, 4-pole

## MQ15 | 48 V DC – TYPE 2

### UNSHIELDED

Male Single Ended	Description	Design	Cable type (x)
	MQ15 male 0°, single ended, 6-pole	7000-P8108-x	P63
	MQ15 male 90°, single ended, 6-pole	7000-P8118-x	P63
Female Single Ended	Description	Design	Cable type (x)
	MQ15 female 0°, 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 0° / MQ15 female 0°, 6-pole	7000-P8148-x	P63
	MQ15 male 0° / MQ15 female 90°, 6-pole	7000-P8157-x	
	MQ15 male 0° / MQ15 female angled 90°, 6-pole	7000-P8158-x	
	MQ15 male 0° / MQ15 female angled 270°, 6-pole	7000-P8159-x	
	MQ15 male 0° / MQ15 female angled 180°, 6-pole	7000-P8160-x	
Distribution solution	Description	Design	Cable type (x)
	MQ15 h-coupler male / 2x male 0°, 6-pole	7000-P8LDC-x	P63
	MQ15 h-coupler male / 2x male 0°, 6-pole	7000-P8LDA-x	
	MQ15 h-coupler male / 2x male 0°, 6-pole	7000-P8LDE-X	
Receptacles	Description	Design	Cable type (x)
	MQ15 male receptacle, straight, front mount, 6-pole	7000-P8188-x	P86
	MQ15 female receptacle, straight, front mount, 6-pole	7000-P8198-x	

### 1 Design 7000-P8241

You choose the design:

- MQ15 male 0° / MQ15 female 0°, 4-pole

### 2 Cable type P16

You choose the design:

- P16 – PUR cable, black, 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	3	5	7,5	10 (1000)
1,5 (0150)	0300	0500	0750	
double ended cables	1	1,5	2	
0,3 (0030)	0600	0100	0200	

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

## ACCESSORIES

Field Wireables	Description	Part number
	Male unshielded, MQ15 600 V AC type 3, screw locking	7000-P8502-0000000
	Female unshielded, MQ15 600 V AC type 3, screw locking	7000-P8542-0000000
	Male shielded, MQ15 600 V AC type 3, screw locking	7000-P8522-0000000
	Buchse shielded, MQ15 600 V AC type 3, screw locking	7000-P8572-0000000
	Male, MQ15 600 V AC type 3, crimp connection	7000-P8501-0000000
	Female, MQ15 600 V AC type 3, crimp connection	7000-P8541-0000000
	Male contact 1.5 mm², 100 pieces	7000-P8911-0000000
	Female contact 1.5 mm², 100 pieces	7000-P8912-0000000
	Male contact 2.5 mm², 100 pieces	7000-P8913-0000000
	Female contact 2.5 mm², 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	Bending values fixed	Bending values flexible
P16	4 × 1.5 mm²	black	PUR	7.2 mm ± 5%	5 million	± 180°/m	5 × outerØ	10 × outerØ
P36	4 × 2.5 mm²	black	PUR	8.7 mm ± 5%	5 million	± 180°/m	5 × outerØ	10 × outerØ
P63	6 × 2.5 mm²	black	PUR	10.5 mm ± 5%	5 million	± 180°/m	5 × outerØ	10 × outerØ
P64	6 × 1.5 mm²	black	PUR	9.0 mm ± 5%	5 million	± 180°/m	5 × outerØ	10 × outerØ
P71	4 × 1.5 mm²	black	PVC	7.4 mm ± 5%	–	–	5 × outerØ	10 × outerØ
P72	4 × 2.5 mm²	black	PVC	8.8 mm ± 5%	–	–	5 × outerØ	10 × outerØ
P73	6 × 1.5 mm²	black	PVC	9.0 mm ± 5%	–	–	5 × outerØ	10 × outerØ
P74	6 × 2.5 mm²	black	PVC	10.5 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 mm² + 2 × 1.5 mm²	orange	PUR	12.8 mm ± 5%	5 million	± 15°/m	5 × outerØ	10 × outerØ
P12	4 × 1.5 mm²	orange	PUR	8.0 mm ± 5%	5 million	± 15°/m	10 × outerØ	10 × outerØ
P13	4 × 2.5 mm²	orange	PUR	10.6 mm ± 5%	5 million	± 15°/m	4 × outerØ	7,5 × outerØ

### RECEPTACLE CABLE TYPES

Cable type (x)	Wire cross section	Cable color	Outer diameter wire	Bending values flexible
P80	6 × 2.5 mm²	black numbered + gr/ye + bl labeled	3.7 mm ± 5%	5 × outerØ
P81	4 × 1.5 mm²	black numbered + gr/ye	3.0 mm ± 5%	5 × outerØ
P82	4 × 2.5 mm²	black numbered + gr/ye	3.7 mm ± 5%	5 × outerØ
P83	6 × 1.5 mm²	black numbered + gr/ye + bl labeled	3.0 mm ± 5%	5 × outerØ
P86	3 × 2.5 mm² + 3 × 0.14 mm²	br, bl, gr/ye + wh, ye, rd	3 × 2.9 mm ± 0.1 mm + 3 × 1.0 ± 0.1 mm	7,5 × outerØ
P91	4 × 1.5 mm²	black numbered + gr/ye	2.35 mm ± 0.1 mm	7,5 × outerØ
P92	4 × 2.5 mm²	black numbered + gr/ye	2.9 mm ± 0.1 mm	7,5 × outerØ
P95	6 × 1.5 mm²	black numbered + gr/ye + bl labeled	2.35 mm ± 0.1 mm	7,5 × outerØ
P96	6 × 2.5 mm²	black numbered + gr/ye + bl labeled	2.9 mm ± 0.1 mm	7,5 × outerØ

For more styles, lengths or information, scan the QR code to visit our online shop. <http://murr.codes/29504>



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## Shorter installation time

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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.

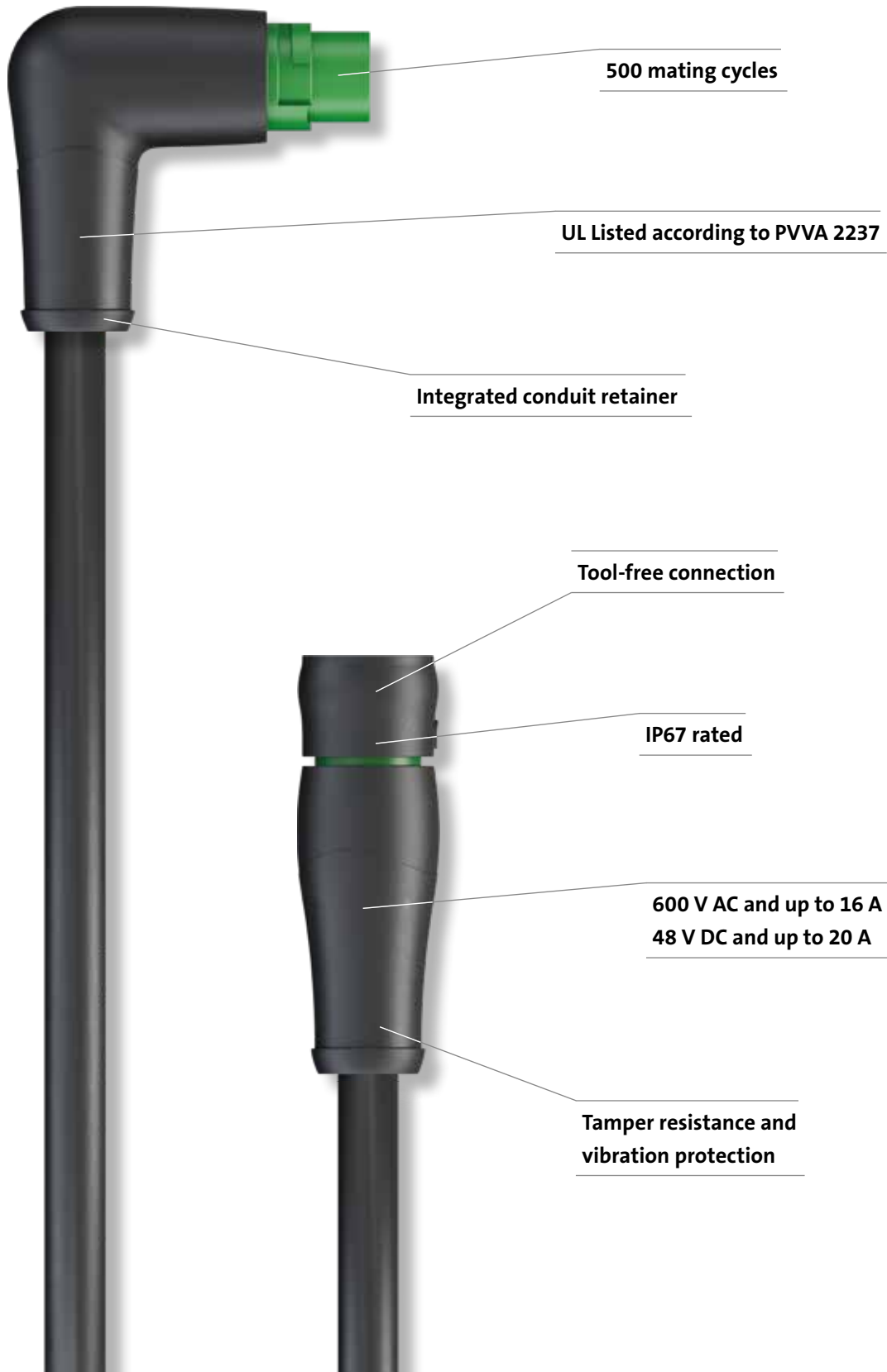
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## Best price / performance ratio

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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.

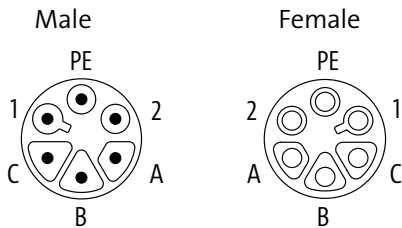


## High quality cables



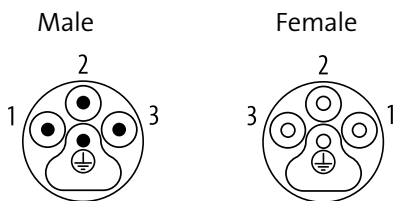
- Your choice: drag-chain compatible, highly flexible, flame-retardant, oil/chemical resistant PUR or cost-effective, chemical-resistant PVC jackets
- Up to 10 million drag chain bending cycles
- Temperature range from -50 to +80 °C

### MQ15 48 V DC type 2

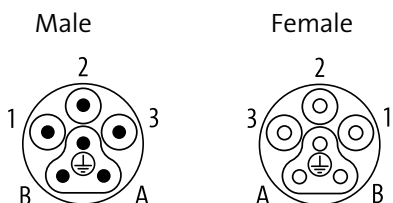


6-pole: 2 x power contacts (1, 2) + PE + 3 x signal contacts (A, B, C)

### MQ15 600 V AC type 3



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



6-pole: 3 x power contacts (1, 2, 3) + PE + 2 x 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](http://Shop.murrelektronik.com)