



MR[®] Hand Magnets (AC)

230V / 42V

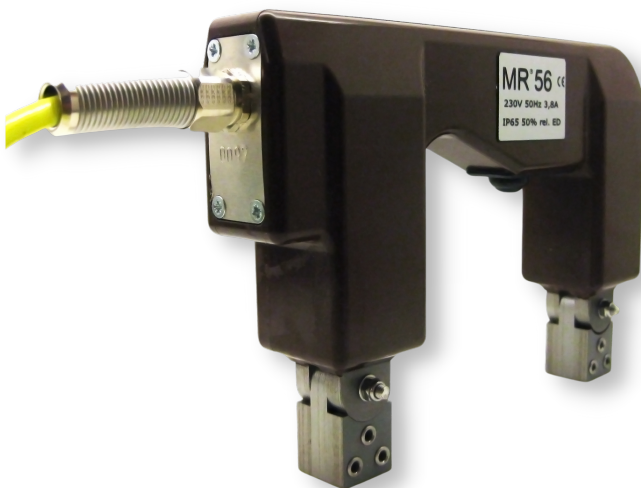


MR[®] 50 | MR[®] 50V42 | MR[®] 56 | MR[®] 56V42



MR[®] 90 | MR[®] 90 W
UV-YokeR

Mountable on MR[®] 50



**Innovative switch
sealing**



Technical changes reserved

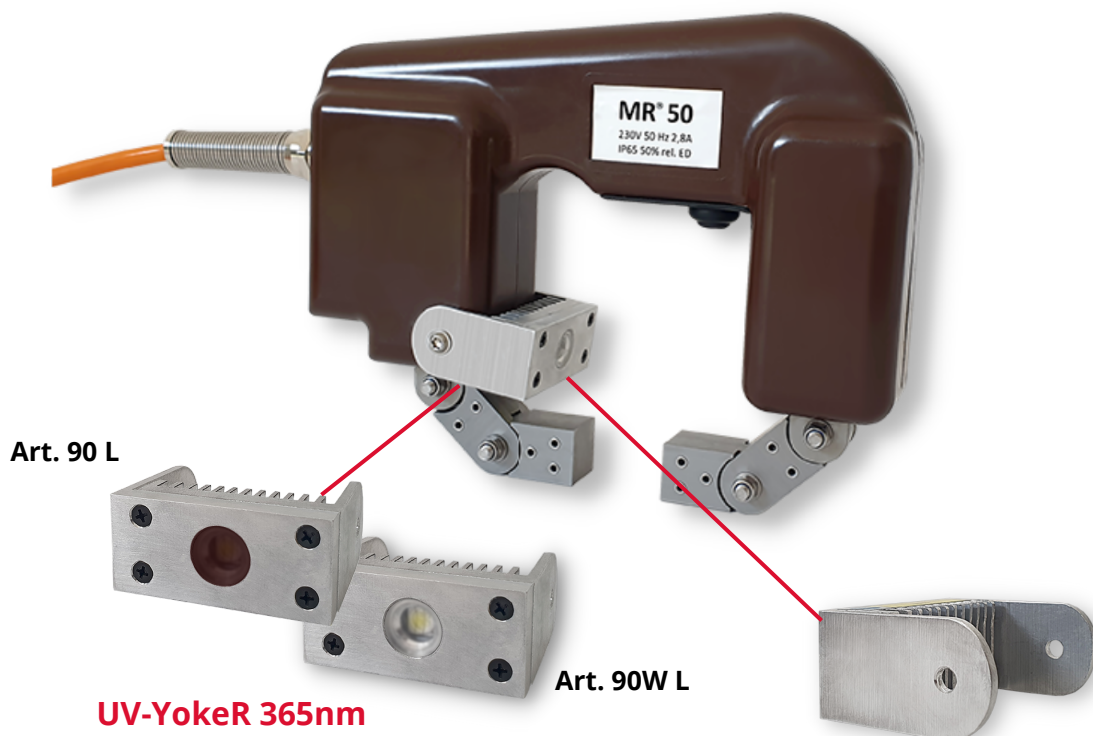


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MR[®] 50 | MR[®] 50V42 | MR[®] 56 | MR[®] 56V42



Product characteristics

- Own production - Made in Germany
- Very good price/performance ratio
- Powerful
- Possibility to attach MR[®] 90 UV-YokeR & MR[®] 90 W white light-YokeR
- Impact-resistant, robust housing
- No loss of power due to optimised fit of poles
- Poles and switches protected against penetration of test media
- Innovative switch sealing
- Strain relief minimises the risk of cable breakage

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Technical Data

	MR[®] 50 (230V)	MR[®] 50 (42V)	MR[®] 56 (230V)	MR[®] 56V42 (42V)
Art.-Nr. Magnet:	50	50V42	56	56V42
Art.-Nr. Transformer:	-	-	-	56V42-1 please order separately
Voltage / Frequency:	230V AC / 50-60 Hz	42V	230V AC / 50-60 Hz	42V AC / 50-60 Hz
Electricity:	2.8 Ampere	3.6 Ampere	3.8 Ampere	7.9 Ampere
Pole spacing movable: straight:	95-190 mm 140 mm	95-190 mm 140mm	110-220 mm 165 mm	110-220 mm 165 mm
Tear-off force:	ca. 5,6 kg	5,4 kg	> 15 kg	> 15 kg
Field strength with movable poles (measured on steel plate C45 (Art. G53 L):	Pole distance 190 mm: 32-32,5 A/cm Pole distance 140 mm: 37-37,5 A/cm Pole distance 95 mm: 57-57,5 A/cm	Pole distance 190 mm: 20 A/cm Pole distance 140 mm: 24 A/cm Pole distance 95 mm: 33 A/cm	Pole distance 220 mm: 44 A/cm Pole distance 165 mm: 50 A/cm Pole distance 110 mm: 75 A/cm	Pole distance 220 mm: 34 A/cm Pole distance 165 mm: 40 A/cm Pole distance 110 mm: 59 A/cm
Field strength with straight poles (measured on steel plate C45 (Art. G53 L)	Pole distance 140 mm: 42,5-43 A/cm	Pole distance 140 mm: 28 A/cm	Pole distance 165 mm: 60 A/cm	Pole distance 165 mm: 45 A/cm

Note: Hand magnet MR[®] 51V110 is available on request!

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MR[®] 50 | MR[®] 50V42 | MR[®] 56 | MR[®] 56V42

Technical Data

	MR[®] 50 (230V)	MR[®] 50 (42V)	MR[®] 56 (230V)	MR[®] 56V42 (42V)
Power type:	AC	AC	AC	AC
Housing dimensions:	L215xD50xH145 mm	L215xD50xH145 mm	L235xD45xH140 mm	L235xD45xH140 mm
Weight:	incl. movable poles: 3.3 kg incl. straight poles: 3.1 kg	incl. movable poles: 3.3 kg incl. straight poles: 3.1 kg	incl. movable poles: 4.0 kg incl. straight poles: 3.7 kg	incl. movable poles: 4.0 kg incl. straight poles: 3.7 kg
Supply line:	3 m safety cable with safety plug	3 m safety cable with safety plug	5 m safety cable with safety plug	5 m safety cable with safety plug
Norms fulfilled:	EN 9934-3 ASTM E709	EN 9934-3 ASTM E709	EN 9934-3 ASTM E709	EN 9934-3 ASTM E709
Scope of delivery:	MR [®] 50 manual solenoid -straight + movable attachment poles -Instruction manual -Protocol BGV A3	MR [®] 50 manual solenoid -straight + movable attachment poles -Instruction manual -Protocol BGV A3	MR [®] 56 manual solenoid -straight attachment poles -Instruction manual -Protocol BGV A3	MR [®] 56V42 manual solenoid -straight attachment poles -operating instructions - protocol BGV A3

Note: Hand magnet MR[®] 51V110 is available on request!

Technical changes reserved



MR[®] Hand Magnets (AC)

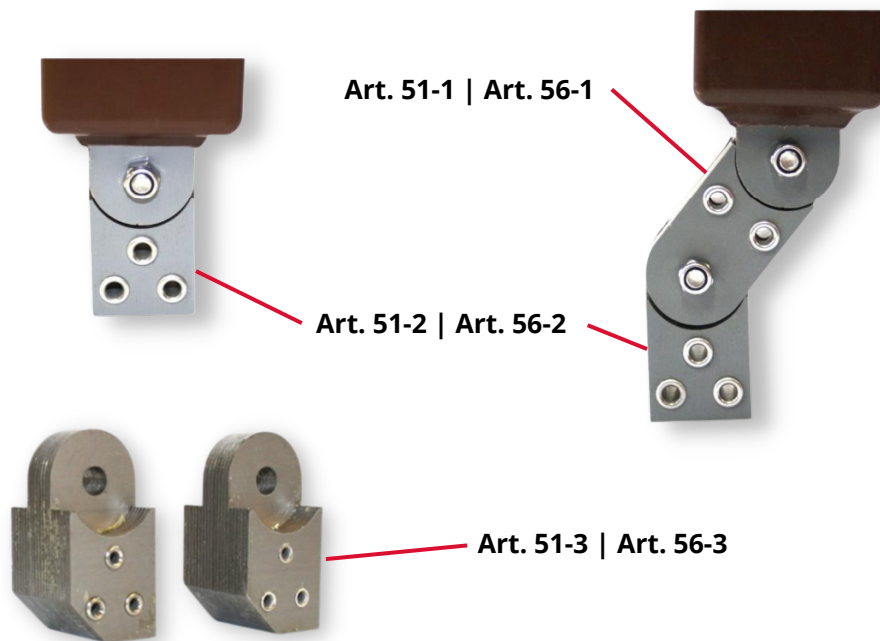
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MR[®] 50 | MR[®] 50V42 | MR[®] 56 | MR[®] 56V42

Straight attachment poles

Movable attachment poles



The MR[®] 50 / MR[®] 50V42 AC manual solenoid is supplied as standard with movable front poles. If the joint piece (Art. 51-1) is removed, straight poles are obtained.

The MR[®] 56 / MR[®] 56V42 AC manual solenoid is supplied with straight poles as standard. The joint piece (art. 56-1), for conversion to movable poles, is optionally available.

For tests on special designs (e.g. pipes, fillet welds etc.), the 45° poles (art. 51-3 / 56-3) can be mounted on the joint piece (art. 51-1 / 56-1) or directly on the hand magnet.

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Spare parts / accessories

MR[®] 50 Hand Magnet (AC) 230 V

MR[®] 50V42 Hand Magnet (AC) 42V

Art.Nr.	Description
51-1	Joint piece for movable attachment poles (1 set = 2 pieces)
51-2	Contact poles (1 set = 2 pieces)
51-3	Pole 45° (1 set = 2 pieces)
90 L	MR [®] 90 UV yoker UV module can be mounted on MR [®] 50, power supply via integrated electronics Risk class 2 according to EM6, UVA: 10 cm distance approx. 25 W/m ² , 5 cm distance approx. 70 W/m ²
90W L	MR [®] 90 W White light Yoker UV module can be mounted on MR [®] 50, power supply via integrated electronics White light: 10 cm distance approx. > 3,000 lux 5 cm distance approx. > 5,000 lux

* measured on steel plate C45 (Art. G53 L)

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MR[®] Hand Magnets (AC)

230V / 42V




MR[®] 50 | MR[®] 50V42 | MR[®] 56 | MR[®] 56V42

Spare parts / accessories

MR[®] 56 Hand Magnet (AC) 230 V

MR[®] 56V42 Hand Magnet (AC) 42V

Art.Nr.	Description
56-1	Joint piece for movable attachment poles (1 set = 2 pieces)
56-2	Contact poles (1 set = 2 pieces)
56-3	Pole 45° (1 set = 2 pieces)
56V42-1 	Safety transformer 42~ V IP 44, sec. 600 VA, 14.3 A, 50/60 Hz, 1.8 m safety cable with safety plug For art. 56V42 & 50V42

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