



Equipment

Product information

Hand yokes 230V / 42V

MR® 50 - MR® 56 - MR® 51V42 - MR® 56V42

MR[®]
CHEMIE
NDT-materials

MR®-Hand yokes (AC)

MR® 50 / MR® 51V42 – Ergonomic Power
MR® 56 / MR® 56V42 – Strong Power



MR® 90 / MR® 90 W



Mountable
on MR® 50



Innovative
switch
sealing





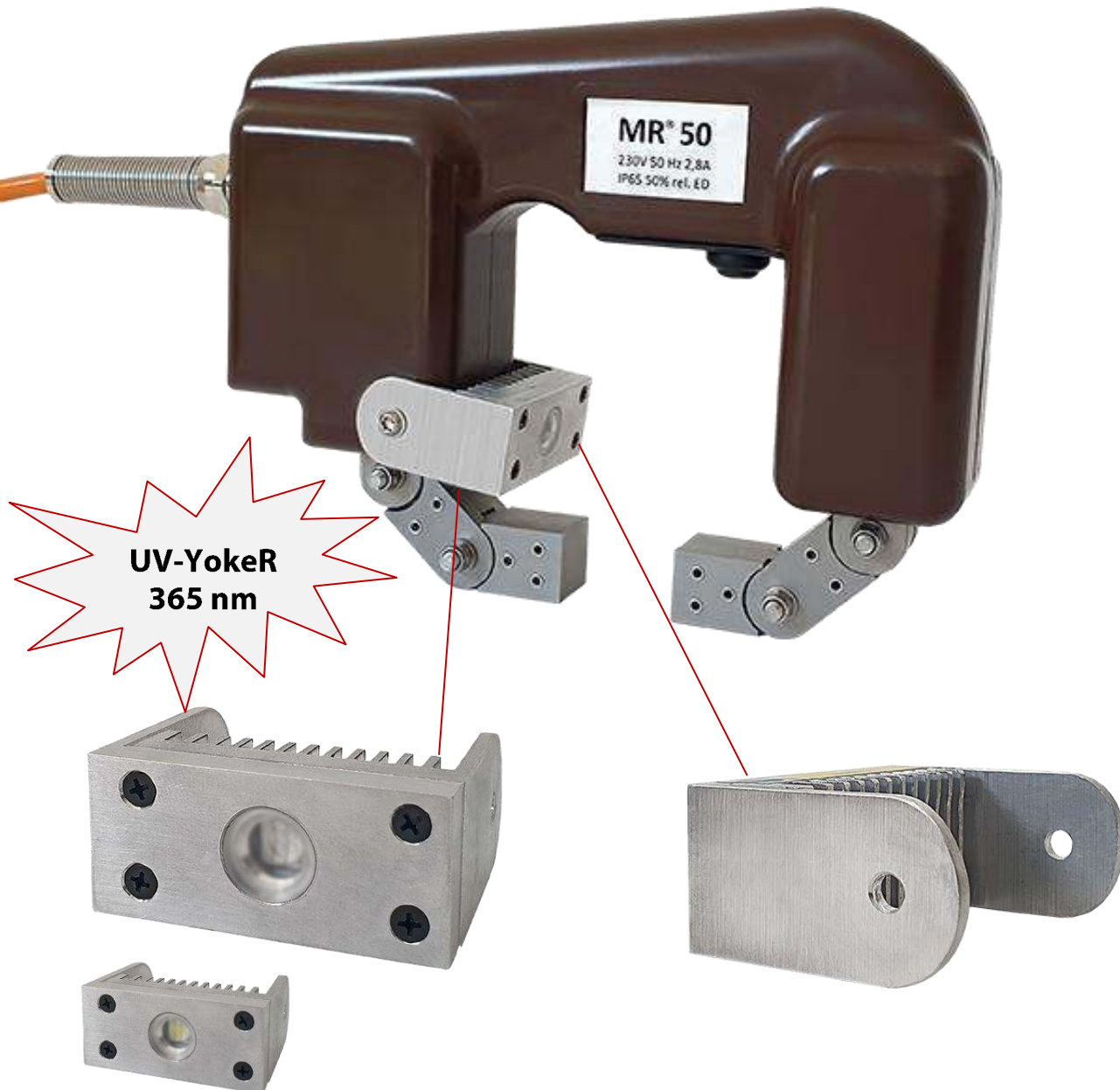
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Features

- Own production – Made in Germany
- Very good quality-price ratio
- Powerful
- Possibility to mount MR® 90 UV-YokeR & MR® 90 W White light-YokeR
- Stout and impact proof housing
- No power loss because of the optimized fitting of the poles
- Poles and switch protected against penetration of test media
- Innovative switch sealing
- Stain relief reduces risk of cable break

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****Technical changes reserved!****

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Technical data

Hand yoke:	MR® 50 (230V)	MR® 56 (230V)	MR® 51V42 (42V)	MR® 56V42 (42V)
Art. no. Hand yoke:	50	56	51V42	56V42
Art. no. transformer:	--	--	51V42-1 <i>please order separately</i>	56V42-1 <i>please order separately</i>
Operating voltage/frequency:	230V AC / 50-60 Hz	230V AC / 50-60 Hz	42V AC / 50-60 Hz	42V AC / 50-60 Hz
Strength of current:	2.8 Ampere	3.8 Ampere	3.6 Ampere	7.9 Ampere
Pole distance adjustable: straight:	95-190 mm 140 mm	110-220 mm 165 mm	80-185 130 mm	110-220 mm 165 mm
Pull-off-strength:	app. 5,6 kg	> 15 kg	ca. 5,4 kg	> 15 kg
Magnetic field strength with adjustable poles*:	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 220 mm: 44 A/cm Pole distance 165 mm: 50 A/cm Pole distance 110 mm: 75 A/cm	Pole distance 185 mm: 26 A/cm Pole distance 130 mm: 30 A/cm Pole distance 80 mm: 53 A/cm	Pole distance 220 mm: 34 A/cm Pole distance 165 mm: 40 A/cm Pole distance 110 mm: 59 A/cm
Magnetic field Strength with straight poles*:	Pole distance 140 mm: 42,5-43 A/cm	Pole distance 165 mm: 60 A/cm	Pole distance 130 mm: 34 A/cm	Pole distance 165 mm: 45 A/cm
Current:	AC	AC	AC	AC
Dimensions housing:	L215xD50xH145mm	L235xD45xH140mm	L195xD45xH115mm	L235xD45xH140mm
Weight:	incl. adjust. Poles: 3,3 kg incl. straight poles: 3,1 kg	incl. adjust. Poles: 4,0 kg incl. straight poles: 3,7 kg	incl. adjust. Poles: 2,9 kg incl. straight poles: 2,7 kg	incl. adjust. Poles: 4,0 kg incl. straight poles: 3,7 kg
Cable:	3 m safety cable with safety plug	5 m safety cable with safety plug	3 m safety cable with safety plug	5 m safety cable with safety plug
Met standards:	EN 9934-3 ASTM E709	EN 9934-3 ASTM E709	EN 9934-3 ASTM E709	EN 9934-3 ASTM E709
Delivery content:	-MR® 50 Hand yoke -Straight + adjust. poles -User manual -Protocol BGV A3	-MR® 56 Hand yoke -Straight poles -User manual -Protocol BGV A3	-MR® 50V42 Hand yoke -Straight + adjust. poles -User manual -Protocol BGV A3	-MR® 56V42 Hand yoke -Straight poles -User manual -Protocol BGV A3

*measured with steel plate C45 (art. No. G53 L)



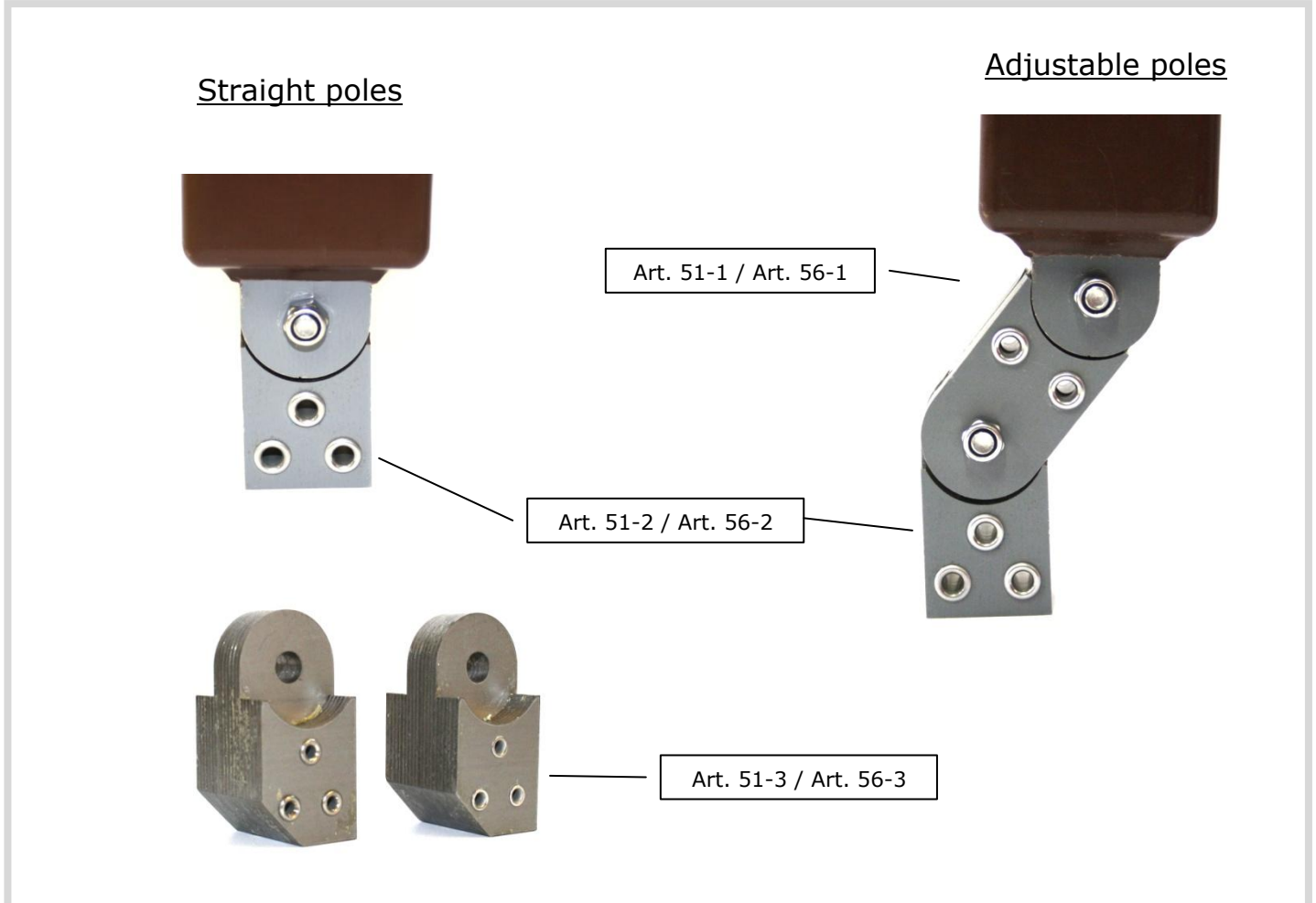
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Advice poles



MR® 50 / MR® 51V42 Hand yoke is delivered with adjustable poles. In order to work with straight poles, the articulation piece (Art. 51-1) can be removed.

MR® 56 / MR® 56V42 Hand yoke is delivered with straight poles. The articulation piece (Art. 56-1) (for extension, to have articulation poles) can be purchased extra.

When testing special forms (e.g. tubes, fillet welds) poles 45° (Art. 51-3 / 56-3) can be mounted either to the articulation piece (Art. 51-1 / 56-1) or directly to the hand yoke.



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Spare parts / Equipment

MR® 50 Hand yoke 230V MR® 51V42 Hand yoke 42V

Art. No.	Description	Picture
51-1	Articulation piece for articulated poles (1 set = 2 pieces)	
51-2	Contact poles (1 set = 2 pieces)	
51-3	Pole 45° (1 set = 2 pieces)	
51V42-1	Isolating transformer 42~ V, IP 44, sek. 400 VA, 5,8 A, 50/60 Hz 1,8 m safety cable with safety plug Only for MR® 51V42!	
90 L	MR® 90 UV-YokeR UV-module mountable on MR® 50, integrated electronic, risc class 2 acc. 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 mountable on MR® 50, integrated electronic White light: 10 cm distance app. > 3.000 lux, 5 cm distance app. > 5.000 lux	

MR® 56 Hand yoke 230V MR® 56V42 Hand yoke 42V

Art. no.	Description	Picture
56-1	Articulation piece for articulated poles (1 set = 2 pieces)	
56-2	Contact poles (1 set = 2 pieces)	
56-3	Poles 45° (1 set = 2 pieces)	
56V42-1	Isolating transformer 42~ V, IP 44, sek. 600 VA, 14,3 A, 50/60 Hz 1,8 m safety cable with safety plug Only for Art. 56V42!	