



# Equipment

Product information

Hand yokes 230 V / 42 V

MR® 51 / MR® 51V42 / MR® 56 / MR® 56V42



TO SEE MORE!

## MR® Hand yokes (AC)

MR® 51 / MR® 51V42 – Handy Power

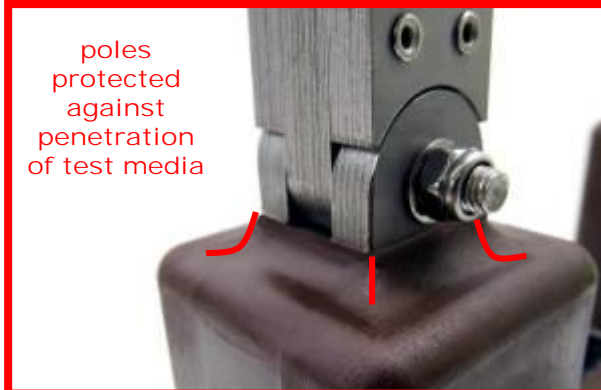
MR® 56 / MR® 56V42 – Strong Power



42V versions: MR® 51V42 and MR® 56V42 with isolating transformer



strain relief reduces risk of cable break



poles protected against penetration of test media



innovative switch sealing





# Equipment

Product information

Hand yokes 230 V / 42 V

MR® 51 / MR® 51V42 / MR® 56 / MR® 56V42



## Features:

- Own production – made in Germany
- Stout and impact proof housing
- Very good quality-price ratio
- No power loss because of the optimized fitting of the poles
- Innovative switch sealing
- Powerful
- Strain relief reduces risk of cable break
- Poles and switch protected against penetration of test media

## Technical data:

Hand yoke:	MR® 56 (230V)	MR® 51 (230V)	MR® 56V42 (42V)	MR® 51V42 (42V)
Art. no. Hand yoke:	56	51	56V42	51V42
Art. no. transformer:	--	--	56V42-1 please order separately	51V42-1 please order separately
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:	3.8 Ampere	2.8 Ampere	7.9 Ampere	3.6 Ampere
<u>Pole distance</u> adjustable:	110-220 mm	80-185 mm	110-220 mm	80-185
straight:	165 mm	130 mm	165 mm	130 mm
Pull-off-strength:	> 15 kg	app. 5,6 kg	> 15 kg	ca. 5,4 kg
Magnetic field strength with adjustable poles*:	Pole distance 220 mm: 44 A/cm	Pole distance 185 mm: 34 A/cm	Pole distance 220 mm: 34 A/cm	Pole distance 185 mm: 26 A/cm
	Pole distance 165 mm: 50 A/cm	Pole distance 130 mm: 36 A/cm	Pole distance 165 mm: 40 A/cm	Pole distance 130 mm: 30 A/cm
	Pole distance 110 mm: 75 A/cm	Pole distance 80 mm: 60 A/cm	Pole distance 110 mm: 59 A/cm	Pole distance 80 mm: 53 A/cm
Magnetic field Strength with straight poles*:	Pole distance 165 mm: 60 A/cm	Pole distance 130 mm: 45 A/cm	Pole distance 165 mm: 45 A/cm	Pole distance 130 mm: 34 A/cm
Current:	AC	AC	AC	AC
Dimensions:	L260xD50xH195mm	L230xD50xH160mm	L260xD50xH195mm	L230xD50xH160 mm
Weight:	incl. adjust. Poles: 4,0 kg	incl. adjust. Poles: 2,9 kg	incl. adjust. Poles: 4,0 kg	incl. adjust. Poles: 2,9 kg
	incl. straight poles: 3,7 kg	incl. straight poles: 2,7 kg	incl. straight poles: 3,7 kg	incl. straight poles: 2,7 kg
Cable:	5 m safety cable with safety plug	3 m safety cable with safety plug	5 m safety cable with safety plug	3 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:	<ul style="list-style-type: none"> <li>▪ MR® 56 Hand yoke</li> <li>▪ Straight poles</li> <li>▪ User manual</li> <li>▪ Protocol BGV A3</li> </ul>	<ul style="list-style-type: none"> <li>▪ MR® 51 Hand yoke</li> <li>▪ Straight + adjust. poles</li> <li>▪ User manual</li> <li>▪ Protocol BGV A3</li> </ul>	<ul style="list-style-type: none"> <li>▪ MR® 56V42 Hand yoke</li> <li>▪ Straight poles</li> <li>▪ User manual</li> <li>▪ Protocol BGV A3</li> </ul>	<ul style="list-style-type: none"> <li>▪ MR® 51V42 Hand yoke</li> <li>▪ Straight + adjust. poles</li> <li>▪ User manual</li> <li>▪ Protocol BGV A3</li> </ul>

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

27.10.2015

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



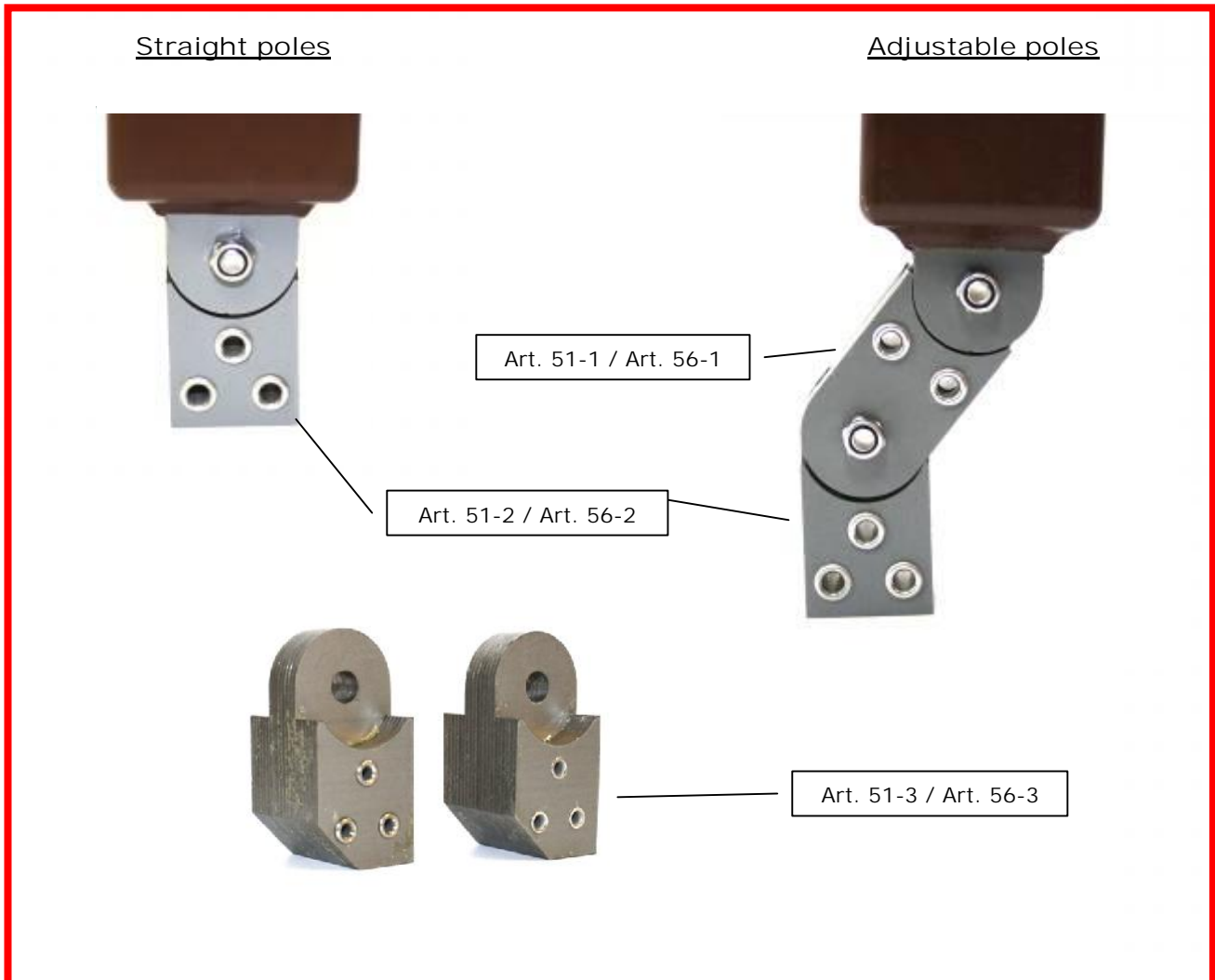


## Equipment

Product information

Hand yokes 230 V / 42 V

MR<sup>®</sup> 51 / MR<sup>®</sup> 51V42 / MR<sup>®</sup> 56 / MR<sup>®</sup> 56V42



### Poles:

MR<sup>®</sup> 51 / MR<sup>®</sup> 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<sup>®</sup> 56 / MR<sup>®</sup> 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.



# Equipment





Product information




Hand yokes 230 V / 42 V

MR® 51 / MR® 51V42 / MR® 56 / MR® 56V42



## Spare parts / Equipment:

MR® 51 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!	

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 MR® 56V42!	