

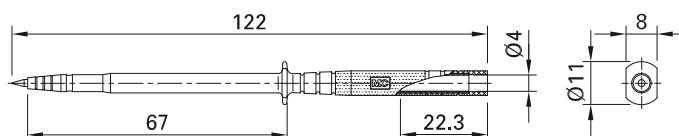
Ø 4 mm Test Probes

Test Probe SPP4-S

Test probe with tapered, stainless steel rigid needle and with handle guard chamfered on

both sides. Ø 4 mm rigid socket in handle accepting spring-loaded Ø 4 mm plugs with

rigid insulating sleeve. Supplied with protective cap.



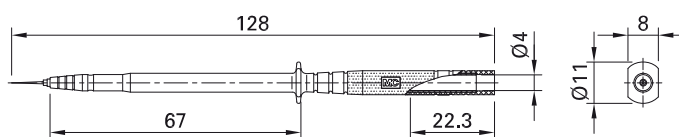
Order No.	Type	Rated voltage/current		*Colors
24.0235-*	SPP4-S	1000 V, CAT III / 1 A	CE	21 22

Test Probe SPP4-S/F

Spring-loaded stainless steel needle which reacts resiliently under light pressure. Specially suited for sensitive printed circuits.

Test probe with handle guard chamfered on both sides. Ø 4 mm rigid socket in handle accepting spring-loaded Ø 4 mm plugs with

rigid insulating sleeve. Supplied with protective cap.



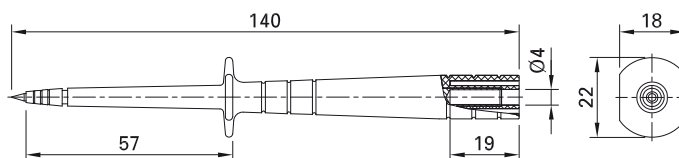
Order No.	Type	Rated voltage/current		*Colors
24.0238-*	SPP4-S/F	1000 V, CAT II / 1 A	CE	21 22

Test Probe SPP4

Test probe with tapered, stainless steel rigid needle. Handle guard chamfered on both

sides. Ø 4 mm rigid socket in handle accepting spring-loaded Ø 4 mm plugs with

rigid insulating sleeve. Supplied with protective cap.



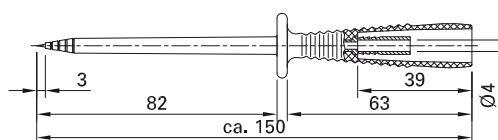
Order No.	Type	Rated voltage/current		*Colors
24.0231-*	SPP4	1000 V, CAT III / 1 A 600 V, CAT IV / 1 A	CE	21 22

Test Probe HP-150/A

With sharply pointed stainless steel tip, e.g. for piercing insulation and paint. Ø 4 mm rigid socket in handle accepting spring-loaded

Ø 4 mm plugs with rigid insulating sleeve. For increased safety the Ø 4 mm rigid socket of HP-150/A is sunk into the handle, ac-

cepting in-line Ø 4 mm plugs. Supplied with protective cap.



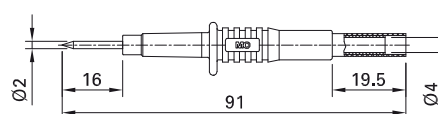
Order No.	Type	Rated voltage/current		*Colors ¹⁾
66.9113-*	HP-150/A	1000 V, CAT III / 1 A 600 V, CAT IV / 1 A	CE c UL US	21 22

Test Probe XPP-80/2-16

Polished Ø 2 mm stainless steel tips. Handle guard flattened on one side to prevent rolling. Also allows for close side-by-side

plugging of probes. Ø 4 mm rigid socket in insulator accepting spring-loaded Ø 4 mm

plugs with rigid insulating sleeve. Supplied with protective cap.



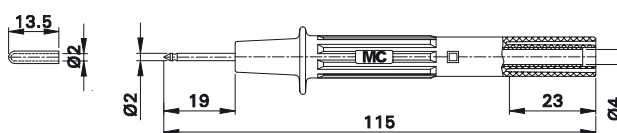
Order No.	Type	Rated voltage/current		*Colors ¹⁾
66.9640-*	XPP-80/2-16	1000 V, CAT II / 10 A	CE c UL US	21 22

Test Probe PP-115/2

Polished Ø 2 mm stainless steel tip. Handle guard flattened on one side to prevent rolling. Also allows for close side-by-side

plugging of probes. Ø 4 mm rigid socket in insulator accepting spring-loaded Ø 4 mm

plugs with rigid insulating sleeve. Supplied with protective cap.



Order No.	Type	Rated voltage/current		*Colors
66.9115-*	PP-115/2	1000 V, CAT II / 10 A	CE c UL US	21 22 23

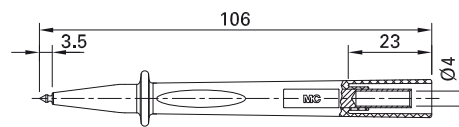
¹⁾ Other colors available on request.

Test Probe BT400

Ø 2 mm, made of Monel®. Ø 4 mm rigid socket in insulator accepting spring-loaded

Ø 4 mm plugs with rigid insulating sleeve.

Monel® is a registered trademark of Special Metals Corporation.

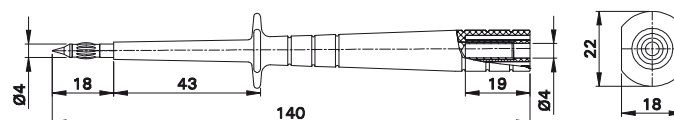


Order No.	Type	Rated voltage/current		*Colors ¹⁾
66.9390-*	BT400	1000 V, CAT IV / 1 A	CE  US	21 22 23

Test Probe SPP4-L

Ø 4 mm, with spring-loaded MULTILAM. Handle guard chamfered on both sides. Ø 4 mm rigid socket in handle accepting

spring-loaded Ø 4 mm plugs with rigid insulating sleeve. Supplied with protective cap.



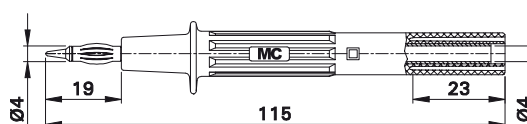
Order No.	Type	Rated voltage/current		*Colors
24.0232-*	SPP4-L	1000 V, CAT II / 32 A	CE	21 22 23

Test Probe PP-115/4

Ø 4 mm, with spring-loaded MULTILAM. Handle guard flattened on one side to prevent rolling. Also allows for close side-

by-side plugging of probes. Ø 4 mm rigid socket in insulator accepting spring-loaded

Ø 4 mm plugs with rigid insulating sleeve. Supplied with protective cap.



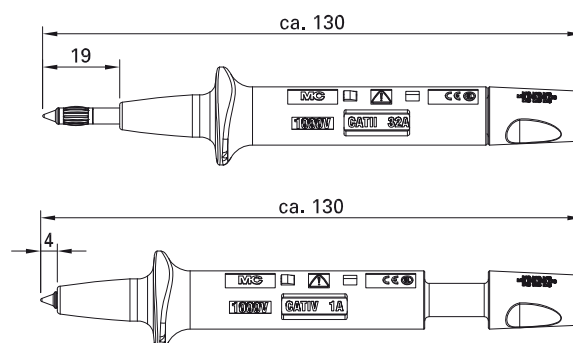
Order No.	Type	Rated voltage/current		*Colors
66.9112-*	PP-115/4	1000 V, CAT II / 32 A	CE  US	21 22 23 24

¹⁾ Other colors available on request.

Test Probe XSAP-4

Ø 4 mm, with spring-loaded MULTILAM, adjustable for use in different measurement categories. Fixed Ø 4 mm socket in insulator,

to fit spring-loaded Ø 4 mm plug with rigid insulating sleeve.



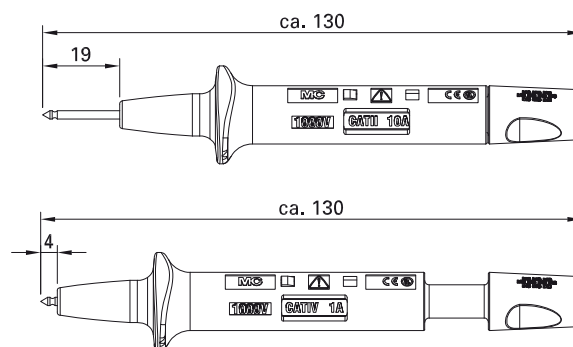
Order No.	Type	Rated voltage/current		*Colors
66.9313-*	XSAP-4	1000 V, CAT II / 32 A 1000 V, CAT IV / 1 A	Ni CE c UL us	21 22 23

Test Probe XSAP-2R

Ø 2 mm, made of Monel®, adjustable for use in different measurement categories. Fixed Ø 4 mm socket in insulator, to fit

spring-loaded Ø 4 mm plug with rigid insulating sleeve.

Monel® is a registered trademark of Special Metals Corporation.



Order No.	Type	Rated voltage/current		*Colors
66.9330-*	XSAP-2R	1000 V, CAT II / 10 A 1000 V, CAT IV / 1 A	CE	21 22 23



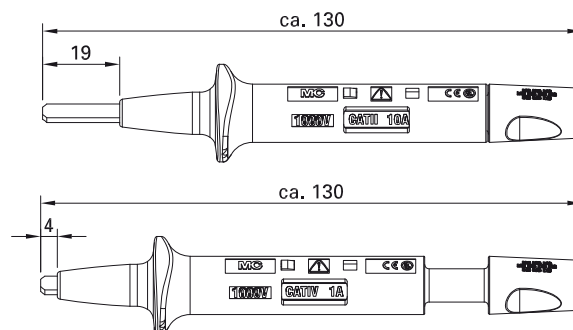
Rating sheet RZ106

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Test Probe XSAP-2F

Test probe with flat tip 1,6 mm × 5 mm, made of nickel-plated brass, for contact to US power sockets, etc., adjustable for use in different measurement categories. Fixed

Ø 4 mm socket in insulator, to fit spring-loaded
Ø 4 mm plug with rigid insulating sleeve.



Order No.	Type	Rated voltage/current		*Colors
66.9332-*	XSAP-2F	1000 V, CAT II / 10 A 1000 V, CAT IV / 1 A	Ni CE	21 22 23

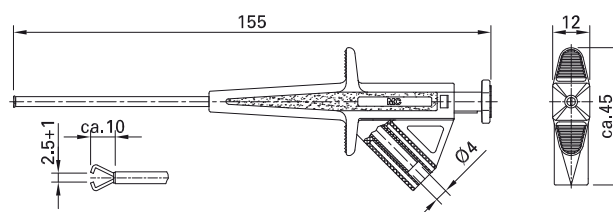
Ø 4 mm Test Clips

Test Clip SKPS-4

With flexible shaft and spring wire grabber (stainless steel) for a good contact to pins and wires in inaccessible places. Especially suitable for measuring voltages. The shaft is

silicone insulated and guarantees good heat resistance and flexibility even at low temperatures. Ø 4 mm rigid socket in handle

accepting spring-loaded Ø 4 mm plugs with rigid insulating sleeve.



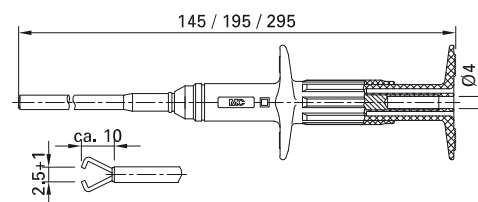
Order No.	Type	Rated voltage/current		*Colors ¹⁾
24.0224-*	SKPS-4	1000 V, CAT III / 4 A	CE  US	21 22 23




Test Clip GRIP-B...

With flexible shaft and spring wire grabber (stainless steel) for a good contact to pins and wires in inaccessible places. Especially suitable for measuring voltages. The shaft

is silicone insulated and guarantees good heat resistance and flexibility even at low temperatures. Ø 4 mm rigid socket in handle accepting spring-loaded Ø 4 mm plugs

with rigid insulating sleeve. Versions with different shaft lengths are available.



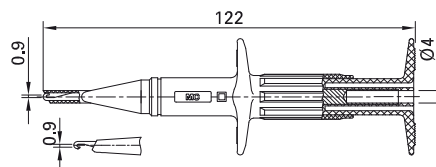
Order No.	Type	Rated voltage/current	Length of shaft / clip		*Colors ¹⁾
66.9120-*	GRIP-B/50	1000 V, CAT III / 1 A	50 mm / 145 mm	CE  US	21 22 23
66.9117-*	GRIP-B/100	1000 V, CAT III / 1 A	100 mm / 195 mm	CE  US	21 22 23
66.9118-*	GRIP-B/200	1000 V, CAT III / 1 A	200 mm / 295 mm	CE  US	21 22 23

¹⁾ Other colors available on request.

Test Clip GRIP-A

With rigid hook clip made of steel for hooking onto wires. Ø 4 mm rigid socket in handle

accepting spring-loaded Ø 4 mm plugs with rigid insulating sleeve.



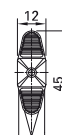
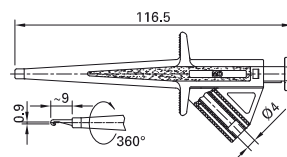
Order No.	Type	Rated voltage/current		*Colors
66.9116-*	GRIP-A	1000 V, CAT III / 3 A	CE c UL US	21 22 23

Test Clip SKPS-4/A

With rigid hook clip made of steel for hooking onto wires. Rotatable through

360° around the longitudinal axis of the test probe. Ø 4 mm rigid socket in handle

accepting spring-loaded Ø 4 mm plugs with rigid insulating sleeve.



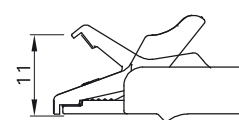
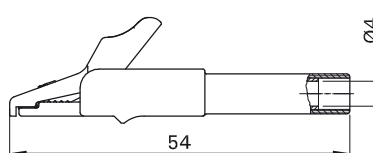
Order No.	Type	Rated voltage/current		*Colors ¹⁾
66.9416-*	SKPS-4/A	1000 V, CAT III / 4 A	Ni CE c UL US	21 22 23

Crocodile Clip SAGK4-K

Small, slim, made of brass with all-round insulation. Toothed jaws for wide grip with

surface for fine wire. Ø 4 mm rigid socket in insulator accepting spring-loaded Ø 4 mm

plugs with rigid insulating sleeve.



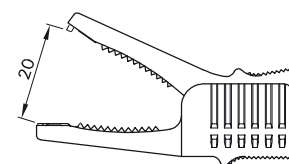
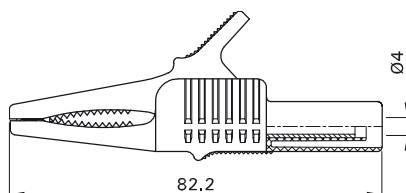
Order No.	Type	Rated voltage/current		*Colors
24.0157-*	SAGK4-K	300 V, CAT II / 15 A	Ni CE	21 22 23

¹⁾ Other colors available on request.

Crocodile Clip XKK-1001

Made of brass with all-round insulation. Toothed jaws for wide grip with surface for fine wire. Ø 4 mm rigid socket in insulator

accepting spring-loaded Ø 4 mm plugs with rigid insulating sleeve.

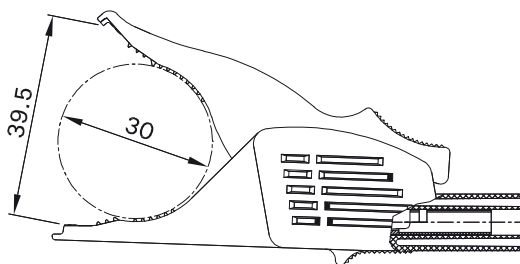
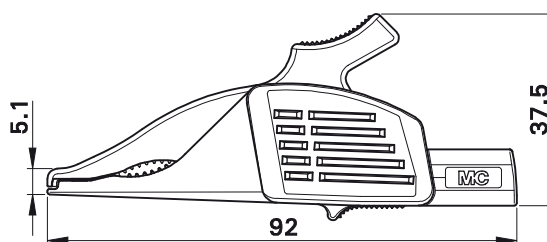


Order No.	Type	Rated voltage/current		*Colors										
66.9755-*	XKK-1001	1000 V, CAT II / 32 A	Ni CE c UL us	<table border="1"> <tr> <td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr> <td>25</td><td>26</td><td>27</td><td>29</td><td></td></tr> </table>	20	21	22	23	24	25	26	27	29	
20	21	22	23	24										
25	26	27	29											

Dolphin Clip XDK-1033

Made of brass with all-round insulation. Toothed jaws for wide grip with surface for fine wire. Ø 4 mm rigid socket in insulator

accepting spring-loaded Ø 4 mm plugs with rigid insulating sleeve.

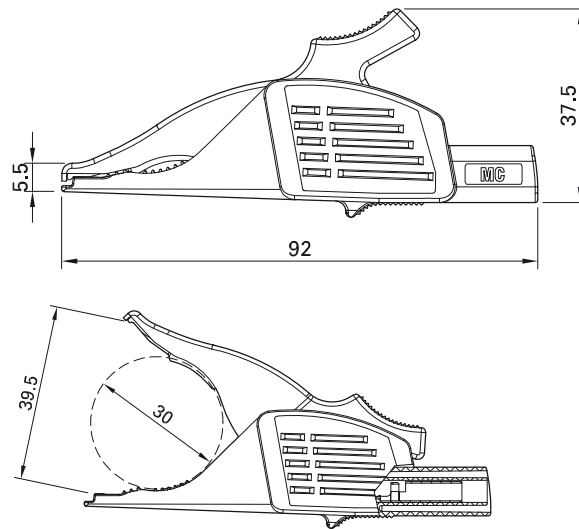


Order No.	Type	Rated voltage/current		*Colors										
66.9575-*	XDK-1033	1000 V, CAT III / 32 A	Ni CE c UL us	<table border="1"> <tr> <td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr> <td>25</td><td>26</td><td>27</td><td>29</td><td></td></tr> </table>	20	21	22	23	24	25	26	27	29	
20	21	22	23	24										
25	26	27	29											

Dolphin Clip XDK-1033/I-2

With all-round insulation. The upper jaw is non-conductive to prevent accidental short-circuits on contact with the mouth open. This development of our established dolphin clip features a soft TPE inlay in the top jaw, facilitating an especially strong

adhesion grip. The insulation in this version also allows it to be used in the measurement category CAT IV.



Order No.	Type	Rated voltage/current		*Colors										
66.9561-*	XDK-1033/I-2	1000 V, CAT III / 19 A 600 V, CAT IV / 19 A	Ni CE c UL us	<table border="1"> <tr> <td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr> <td>25</td><td>26</td><td>27</td><td>29</td><td></td></tr> </table>	20	21	22	23	24	25	26	27	29	
20	21	22	23	24										
25	26	27	29											

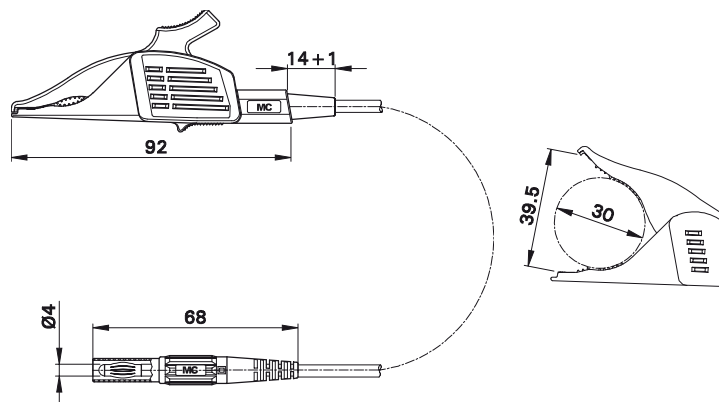


The varied grip options for our dolphin clips.

Test Clip Lead XDLS-418

Highly flexible. One end with dolphin clip with all-round insulation, toothed jaws for wide grip and surface for fine wire. The other

end with Ø 4 mm MULTILAM plug with rigid insulating sleeve.

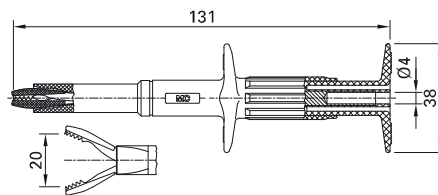


Order No.	Type	Rated voltage/current	Lead		Lead length [cm]	*Colors
66.9531-150*	XDLS-418	1000 V, CAT III / 32 A	PVC 2,5 mm ²	Ni CE	150	20 21 22 23 24 25

Test Clip GRIP-CI

With steel jaws especially for connections to ground rails and thick cables. For increased safety when making connections, the jaws

are insulated on the outside. Ø 4 mm rigid socket in handle accepting spring-loaded Ø 4 mm plugs with rigid insulating sleeve.



Order No.	Type	Rated voltage/current		*Colors ¹⁾
66.9121-*	GRIP-CI	1000 V, CAT III / 16 A	Ni CE c UL US	20 21 22 23 24 25

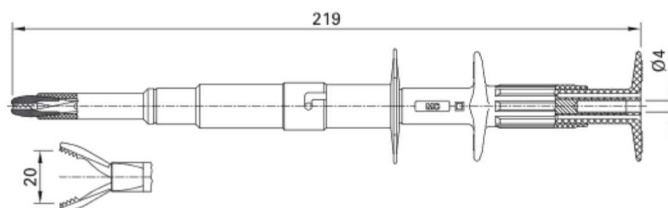
¹⁾ Other colors available on request.

Test Clip GRIP-DI

With steel jaws especially for connections to ground rails and thick cables. For increased safety when making connections, the jaws are insulated on the outside. Ø 4 mm rigid socket in handle accepting spring-loaded

Ø 4 mm plugs with rigid insulating sleeve. Transparent fuse holder sleeve to accept a high-rating fuse 10 mm x 38 mm.

The fuse is not supplied.



Order No.	Type	Rated voltage/current		*Colors
66.9266-*	GRIP-DI	1000 V, CAT III / max. 16 A ¹⁾	Ni CE c UL ²⁾ US	<div>21 22 23 24 25</div> <div>26</div>



¹⁾ Depends on the fuse used.

²⁾ Only if used with UL approved fuses.



High breaking capacity fuse: page 110



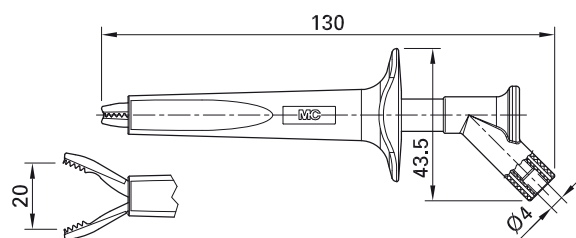
Rating sheet RZ068

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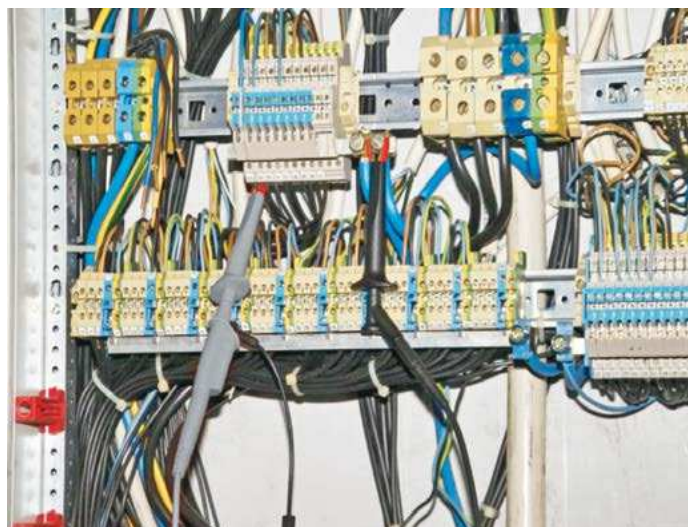
Test Clip AB200

With steel jaws especially for connections to ground rails and thick cables. For increased safety when making contacts, the jaws

are insulated on the outside. Ø 4 mm rigid socket in handle accepting spring-loaded Ø 4 mm plugs with rigid insulating sleeve.



Order No.	Type	Rated voltage/current		*Colors ¹⁾
66.9474-*	AB200	1000 V, CAT IV / 16 A	Ni CE c UL US	21 22 23



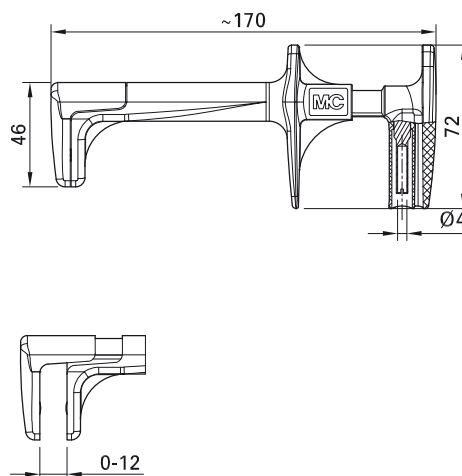
¹⁾ Other colors available on request.

Flat Test Clip GRIP-FMA

For fast and safe contacting on busbars, for example for the synchronization for stand-by power units. Powerful contacting on the

front and rear of the busbars by means of our established MULTILAM. Fixed Ø 4 mm socket in the pressure grip handle section,

to fit spring-loaded Ø 4 mm plugs with rigid insulating sleeve.

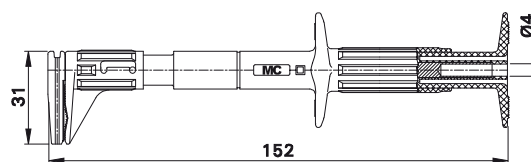
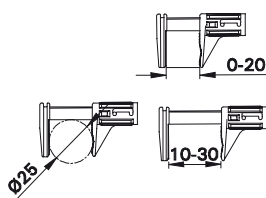


Order No.	Type	Rated voltage/current		Color
66.9435-21	GRIP-FMA	1000 V, CAT IV / 32 A	CE	21

Flat Test Clip GRIP-F

For making quick, secure contact during voltage measurements. With adjustable stop. Ø 4 mm rigid socket in handle accept-

ing spring-loaded Ø 4 mm plugs with rigid insulating sleeve.



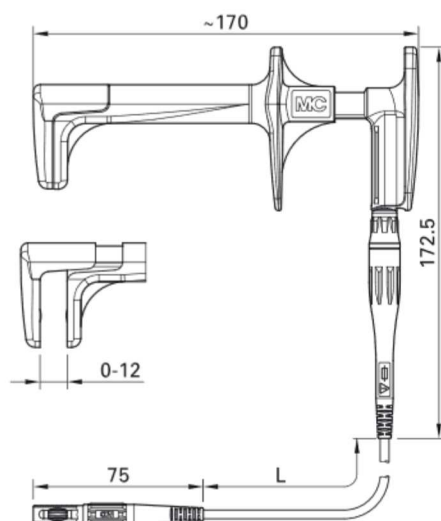
Order No.	Type	Rated voltage/current		*Colors
66.9829-*	GRIP-F	600 V, CAT III / 5 A	Ni CE c UL US	21 22 23 24 25 26

Fused Test Clip Lead GRIP-FMA/XSM...-419

Highly flexible, with insulation in PVC or silicone, on one end with a flat test clip for quick and safe contacting, on the other end an in-line Ø 4 mm MULTILAM plug with rigid insulation sleeve.

The two-part screw connector accepts a high breaking capacity fuse measuring 6.3 x 32 mm.

The fuse is not supplied, see page 110.



Order No.	Type	Rated voltage/current	Lead		Lead lengths L [cm]	Color
66.9429-15021	GRIP-FMA/XSMF-419	1000 V, CAT IV / max. 8 A ¹⁾	PVC 1,0 mm ²	CE	150	21
66.9430-15021	GRIP-FMA/XSMS-419	1000 V, CAT IV / max. 8 A ¹⁾	SIL 1,0 mm ²	CE	150	21

¹⁾ Depends on the fuse used.



High Breaking Capacity Fuses: page 110



Rating sheet RZ111

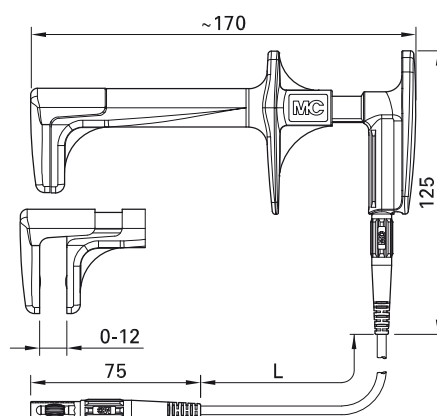
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Test Clip Lead GRIP-FMA/XM...-419

Highly flexible, with insulation in PVC or silicone, on one end with a flat test clip for quick and safe contacting, on the other end

an in-line Ø 4 mm MULTILAM plug with rigid insulation sleeve.



Order No.	Type	Rated voltage/current	Lead		Lead lengths L [cm]	Color
66.9377-15021	GRIP-FMA/XMF-419	1000 V, CAT IV / 32 A	PVC 2,5 mm ²	CE	150	21
66.9378-15021	GRIP-FMA/XMS-419	1000 V, CAT IV / 32 A	SIL 2,5 mm ²	CE	150	21