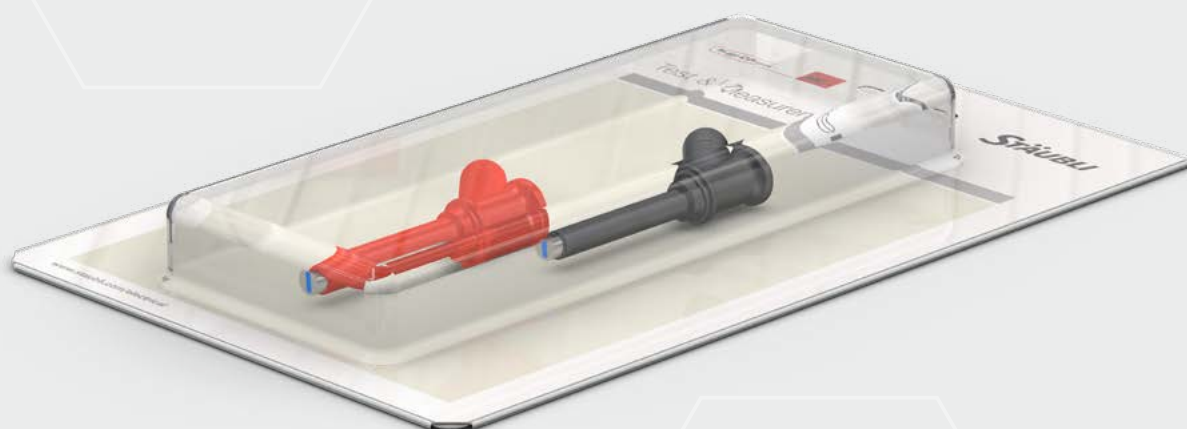


Blister pack programme Main catalog

Blisterline | Test & Measurement



STÄUBLI ELECTRICAL CONNECTORS

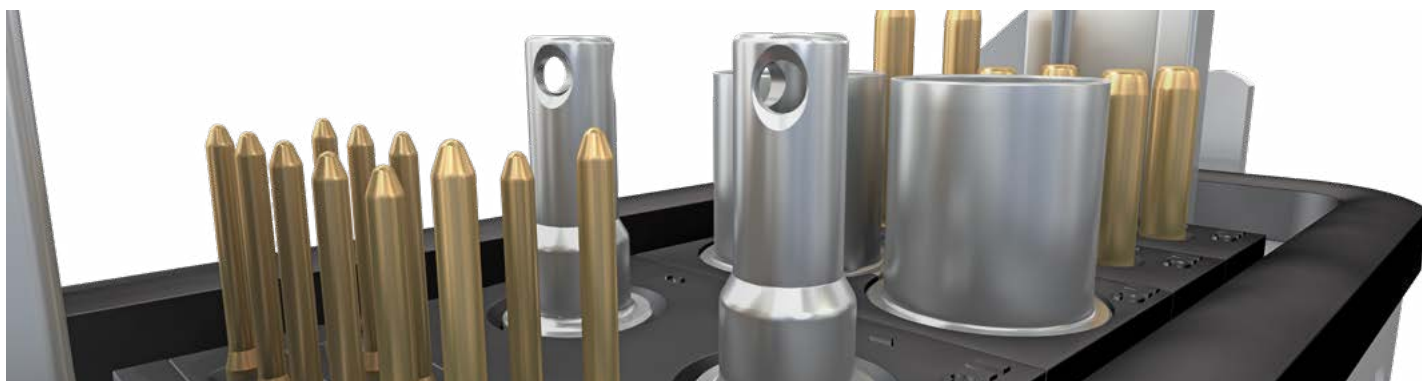
Long-term solutions – Expert connections



Stäubli Electrical Connectors is a leading international manufacturer of high-quality electrical connector systems. We are part of the Stäubli Group which offers mechatronics solutions for electrical connectors, liquid and gas couplings, robots and textile machinery.

Stäubli develops, produces, sells and maintains products for markets with high productivity standards. As recognized specialists, our focus is always on solutions and customers. Many new developments got their start here and have begun to make their way around the world.

Businesses and customers count on our commitment and our active support when dealing with unusual problems. With us, you are entering into a long-term partnership built on reliability, dynamism, and exceptional quality in both products and services.



Applications and advantages



With this catalog, we present our blister pack programme.

It contains a selection from our extensive range of test accessories with which we aim to address retailers in particular.

It therefore gives a prominent place to products for which there is a frequent demand and to articles that offer good price-performance ratio – naturally with the customary high Stäubli quality.

By grouping articles from our standard range into sets which are clearly and concisely presented in this catalog, we aim to facilitate buyers' decisions on their choice of sales mix.

For the display of the products in the sales rooms, we supply all the articles in this catalogue in blister packs to hang on perforated panels.

Contents

Page 5	General information
Page 6	Sets with Ø 4 mm test accessories
Page 12	Safety oscilloscope probe sets
Page 14	Ø 4 mm test leads
Page 19	Ø 4 mm test probes
Page 21	Ø 4 mm test clips
Page 25	Ø 4 mm plugs for self-assembled test leads
Page 26	Ø 4 mm magnetic contact adapters
Page 28	Measurement categories
Page 29	Index

General information

Dimensions of the Blister Packs

S1		S3	
Blistercards	Blister	Blistercards	Blister
231 x 140 mm	180 x 120 x 30 mm 	231 x 140 mm	180 x 70 x 20 mm 

We use two standard blister sizes. The figures given in the drawings for width, height and depth for the cards and blisters are approximate dimensions in millimeters. In the catalogue, the employed blister size is indicated by the symbol S1 or S3 beside each article.

Changes/Provisos

All data, illustrations and drawings in the catalogue have been carefully checked. They are in accordance with our experience to date, but no responsibility can be accept-

ed for errors. We also reserve the right to make modifications for design and safety reasons. When designing equipment incorporating our components, it is therefore advisable not to rely solely on the data in the catalogue but to consult us to make sure this information is up to date. We shall be pleased to advise you.

Copyright

The use of this catalogue for any other purpose, in whatever form, without our prior written consent is not permitted.

RoHS

Directive 2011/65/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

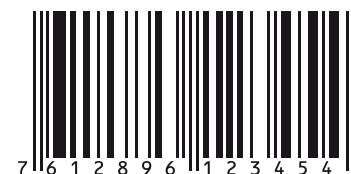
Reach

Regulation (EC) No 1907/2006 for Registration, Evaluation, Authorisation and Restriction of Chemicals.

The Bar Code on our Blister Packs

We have provided all blister-packed articles with bar codes (EAN-13). This 13-digit code enables every article to be clearly identified anywhere in the world.

Retailers can use this widely employed code directly on their own computer systems without having to mark the goods with labels etc. – an important advance and a valuable aid in the rationalisation of your business operations now or in future.



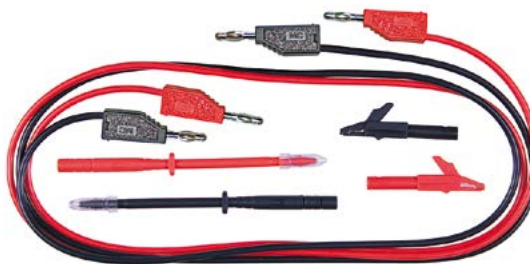
The EAN-13 Code

7 6 1 2 8 9 6						1 1 2 3 4 5 4							
												Check digit (results from the first 12 digits)	
												Article identification (5 digits)	
												Company identification (12896 = Stäubli)	
												Country code (76 = Switzerland)	

Sets with Ø 4 mm Test Accessories



Z4-100

Ø 4 mm Test Lead Set with Accessories
(6-piece black/red)



Order No	Type		Blister size
99.01400	Z4-100		S1


Set Contents and Technical Data

2 × LK425-A/X	Ø 4 mm test leads, PVC insulated, 150 cm long, 2.5 mm ² .	30 VAC / 32 A 60 VDC / 32 A
2 × SPP4-S 	Push-on stainless steel test probes, rigid. Supplied with protective cap.	1000 V, CAT III / 1 A
2 × SAGK4-K 	Push-on crocodile clips with all-round insulation. Toothed jaws for wide grip with surface for fine wire.	300 V, CAT II / 15 A

Z4-200

Ø 4 mm Test Lead Set with Accessories
(6-piece black/red)



Order No	Type		Blister size
99.01401	Z4-200		S1


Set Contents and Technical Data

2 × SML	Ø 4 mm test leads, Silicone insulated, 100 cm long, 0.75 mm ² .	30 VAC / 15 A 60 VDC / 15 A
2 × PP-130	Push-on stainless steel test probes, rigid. Supplied with protective cap.	30 VAC / 1 A 60 VDC / 1 A
2 × APK-4	Push-on test clips with sharp toothed, pointed jaws. The upper jaw is insulated.	30 VAC / 10 A 60 VDC / 10 A



Z4S-050

Ø 4 mm Safety Test Lead Set with Accessories (4-piece black/red)



Order No	Type		Blister size
99.01402	Z4S-050		S1

Set Contents and Technical Data

2 × SLK425-E 	Ø 4 mm safety test leads, PVC insulated, 200 cm long, 2.5 mm ² .	1000 V, CAT II / 32 A 600 V, CAT III / 32 A
2 × SPP4-L 	Push-on safety test probes. Ø 4 mm tip with spring MULTILAM. Supplied with protective caps.	1000 V, CAT II / 32 A





Z4S-100

Ø 4 mm Safety Test Lead Set with Accessories (8-piece black/red)



Order No	Type		Blister size
99.01500	Z4S-100		S1

Set Contents and Technical Data

2 × XMS-484 	Ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm ² .	1000 V, CAT III / 19 A
2 × HP-150/A 	Push-on safety test probes with sharply pointed stainless steel tip. Supplied with protective caps.	1000 V, CAT III / 1 A
2 × XDK-1033 	Push-on safety dolphin clips with all-round insulation and strong jaws with surface for fine wire.	1000 V, CAT III / 32 A
2 × GRIP-CI 	Push-on safety test clips with strong jaws insulated on the outside, max. 16 A.	1000 V, CAT III / 16 A










Z4S-150

Ø 4 mm Safety Test Lead Set “Electrical 1”
(8-piece black/red)



Order No	Type		Blister size
99.01403	Z4S-150		S1

Set Contents and Technical Data

2 × XMS-484   	Ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm ² .	1000 V, CAT III / 19 A
2 × PP-115/2   	Push-on safety test probes, Ø 2 mm, stainless steel, rigid. Supplied with protective cap.	1000 V, CAT II / 10 A
2 × XKK-1001   	Push-on safety crocodile clips with all-round insulation and strong jaws with surface for fine wire.	1000 V, CAT II / 32 A
2 × XKS-A	Safety cable lug adapter.	1000 V, CAT II / 20 A










Z4S-200

Ø 4 mm Safety Test Lead Set “Electrical 2”
(8-piece black/red)



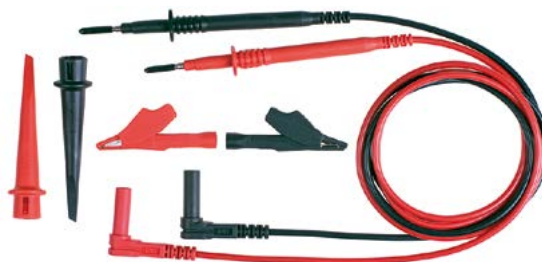
Order No	Type		Blister size
99.01404	Z4S-200		S1

Set Contents and Technical Data

2 × XMS-484   	Ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm ² .	1000 V, CAT III / 19 A
2 × PP-115/4   	Push-on safety test probes. Ø 4 mm tip with spring MULTILAM. Supplied with protective caps.	1000 V, CAT II / 32 A
2 × XKK-1001   	Push-on safety crocodile clips with all-round insulation and strong jaws with surface for fine wire.	1000 V, CAT II / 32 A
2 × XKS-A	Safety cable lug adapter.	1000 V, CAT II / 20 A

Z4S-250

Ø 4 mm Safety Test Lead Set “Universal”
(6-piece black/red)



Order No	Type		Blister size
99.01405	Z4S-250		S1

Set Contents and Technical Data

2 × XPF-480/2G 	Ø 4 mm safety test leads with stainless steel probe with thread for screwing-on accessories, PVC insulated, 100 cm long, 0.75 mm².	1000 V, CAT II / 15 A
2 × HC200-2G 	Screw-on safety hook clips.	1000 V, CAT II / 5 A
2 × XKK-200-2G 	Screw-on safety crocodile clips with surface for fine wire.	600 V, CAT II / 10 A

Z4S-300

Ø 4 mm Safety Test Lead Set “Electronics”
(10-piece black/red)



Order No	Type		Blister size
99.01406	Z4S-300		S1

Set Contents and Technical Data

2 × XMS-484 	Ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm².	1000 V, CAT III / 19 A
2 × SPP4-S/F 	Push-on safety test probes with spring-loaded stainless steel needle which reacts resiliently under light pressure. Supplied with protective caps.	1000 V, CAT II / 1 A
2 × SAGK4-K 	Small push-on safety crocodile clips with all-round insulation, toothed jaws for wide grip and surface for fine wire.	300 V, CAT II / 15 A
2 × GRIP-A 	Push-on safety hook clips.	1000 V, CAT III / 3 A
2 × GRIP-B/50 	Push-on safety test clips with spring wire grabber (stainless steel) in a flexible shaft (Silicone insulated), shaft length 50 mm.	1000 V, CAT II / 1 A







Z4S-350

Ø 4 mm Safety Test Lead Set “Electrical 3”
(6-piece black/red)



Order No	Type		Blister size
99.01407	Z4S-350		S1

Set Contents and Technical Data

2 x XMS-484  	Ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm ² .	1000 V, CAT III / 19 A
2 x PP-115/2  	Push-on safety test probes. Ø 2 mm stainless steel tip, rigid. Supplied with protective cap.	1000 V, CAT II / 10 A
2 x GRIP-CI  	Push-on safety test clips with strong jaws insulated on the outside.	1000 V, CAT III / 16 A







Z4S-400

Ø 4 mm Safety Test Lead Set “Electrical 4”
(6-piece black/red)



Order No	Type		Blister size
99.01408	Z4S-400		S1


Set Contents and Technical Data

2 x XMS-484  	Ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm ² .	1000 V, CAT III / 19 A
2 x PP-115/4  	Push-on safety test probes. Ø 4 mm tip with spring-loaded MULTILAM. Supplied with protective cap.	1000 V, CAT II / 32 A
2 x GRIP-CI  	Push-on safety test clips with strong jaws insulated on the outside.	1000 V, CAT III / 16 A







Z4S-650

Ø 4 mm Fused Test Lead Set “1000 V, CAT IV” (6-piece black/red)



Order No	Type		Blister size
99.01501	Z4S-650		S1

Set Contents and Technical Data

2 × XSMS-419  	Fused test leads with in-line Ø 4 mm MULTILAM plug with rigid insulating sleeve on both ends. The two-part screw connector accepts a high-power fuse measuring 6.3 x 32 mm. Silicone insulated, 150 cm long, 1.0 mm². Two fuses are supplied (Type DMI-0,5 A, 0.5 A).	1000 V, CAT IV / max. 8 A
2 × BT400  	Push-on Ø 2 mm safety test probes made of stainless steel.	1000 V, CAT IV / 1 A
2 × AB200  	Push-on test clip with steel jaws especially for connections to ground rails and thick cables.	1000 V, CAT IV / 16 A


Safety oscilloscope probe sets

ZHF-500









Safety Probe Set “HF Electronics” (6-piece)

This set contains accessories to meet the needs of a professionally equipped electronics technician.



Order No	Type		Blister size
99.01502	ZHF-500		S1

Set Contents and Technical Data

Isoprobe IV - 10:1  	Safety high-frequency 10:1 test probe of compact design. With highly flexible coaxial connecting lead (120 cm long, PVC-insulated) with BNC plug with integrated compensation unit. Facility for connecting reference lead in the front part of the probe. Up to 500 MHz.	300 V, CAT III
HC400  	Push-on hook clip.	600 V, CAT II 300 V, CAT III
GS400  	Push-on reference contact.	30 VAC 60 VDC
GM400  	Reference lead with crocodile clip. Silicone insulated, 15 cm long, 0.5 mm ² .	600 V, CAT II 300 V, CAT III
BA400	Uninsulated push-on BNC adapter.	30 VAC 60 VDC
SCC	Colour clips.	



Instruction leaflet RZ103
www.staubli.com/electrical

ZHF-600









Safety Probe Set “ECO” (6-piece)

This set includes a basic set of accessories for effecting safe and accurate high-frequency measurements.



Order No	Type		Blister size
99.01503	ZHF-600		S1

Set Contents and Technical Data

Isoprobe III - 10:1 ECO  	Safety high-frequency 10:1 test probe with highly flexible coaxial connecting lead (120 cm long, PVC-insulated) with BNC plug with integrated compensation unit. Ø 2 mm safety socket for reference lead connection in the handling part. Up to 500 MHz.	600 V, CAT IV
ZGA-S  	Push-on hook clip.	1000 V, CAT III 600 V, CAT IV (max. 3540 V)
GS400  	Push-on reference contact.	30 VAC 60 VDC
GM284  	Ø 2 mm reference lead with crocodile clip. Silicone insulated, 25 cm long, 0.5 mm ² .	1000 V, CAT III 600 V, CAT IV
SK-IP	Push-on insulating sleeve.	
SCC	Colour clips.	



Instruction leaflet RZ086

www.staubli.com/electrical


Ø 4 mm Test Leads




E4S-010

Ø 4 mm Safety Test Leads – 150 cm – PVC (2 pcs. black/red)

Highly flexible test leads with in-line Ø 4 mm MULTILAM plug with rigid insulating sleeve on both ends.



Order No	Type		Blister size
99.01409	E4S-010		S3

Technical Data	
Rated voltage	1000 V, CAT III
Rated current	19 A
Lead cross section	1.0 mm ²
Lead insulation	PVC
Lead length	150 cm
Type	XMF-414
Certifications	   US

E4S-020




Ø 4 mm Safety Test Leads – 150 cm – Silicone (2 pcs. black/red)

Highly flexible test leads with in-line Ø 4 mm

MULTILAM plug with rigid insulating sleeve on both ends.



Order No	Type		Blister size
99.01410	E4S-020		S3

Technical Data	
Rated voltage	1000 V, CAT III
Rated current	19 A
Lead cross section	1.0 mm ²
Lead insulation	Silicone
Lead length	150 cm
Type	XMS-414
Certifications	   US


E4S-030



Ø 4 mm Safety Test Leads – 150 cm – PVC (2 pcs. black/red)

Highly flexible test leads. One end with in-line Ø 4 mm MULTILAM plug with rigid

insulating sleeve. The other end with right-angled Ø 4 mm MULTILAM plug with rigid insulating sleeve.



Order No	Type		Blister size
99.01411	E4S-030		S3

Technical Data	
Rated voltage	1000 V, CAT III
Rated current	19 A
Lead cross section	1.0 mm ²
Lead insulation	PVC
Lead length	150 cm
Type	XMF-484
Certifications	  US


E4S-040



Ø 4 mm Safety Test Leads – 150 cm – Silicone (2 pcs. black/red)

Highly flexible test leads. One end with in-line Ø 4 mm MULTILAM plug with rigid

insulating sleeve. The other end with right-angled Ø 4 mm MULTILAM plug with rigid insulating sleeve.



Order No	Type		Blister size
99.01412	E4S-040		S3

Technical Data	
Rated voltage	1000 V, CAT III
Rated current	19 A
Lead cross section	1.0 mm ²
Lead insulation	Silicone
Lead length	150 cm
Type	XMS-484
Certifications	  US

E4S-045




Ø 4 mm Fused Test Leads (2 pcs. black/red)

Fused test leads with in-line Ø 4 mm MULTILAM plug with rigid insulating sleeve on both ends. The two-part screw connec-

tor accepts a high-power fuse measuring 6.3 x 32 mm. **Two fuses (Type DMI-0,5 A) are supplied.**



Order No	Type		Blister size
99.01504	E4S-045		S1

Technical Data	
Rated voltage	1000 V, CAT IV
Rated current	max. 8 A
Fuse dimensions	6.3 x 32 mm (supplied: Type DMI-0,5 A 0.5 A)
Lead cross section	1.0 mm ²
Lead insulation	Silicone
Lead length	150 cm
Type	XSMS-419
Certifications	  


E4S-055




Ø 4 mm Safety Test Leads – 150 cm – PVC (2 pcs. black/red)

Highly flexible test leads with stackable

Ø 4 mm MULTILAM plug with rigid insulating sleeve on both ends.



Order No	Type		Blister size
99.01505	E4S-055		S1

Technical Data	
Rated voltage	1000 V, CAT II 600 V, CAT III
Rated current	32 A
Lead cross section	2.5 mm ²
Lead insulation	PVC
Lead length	150 cm
Type	SLK425-E/N
Certifications	  


E4S-130




Ø 4 mm Safety Test Leads with Test Probes (2 pcs. black/red)

Highly flexible test leads with insulation in PVC. One end with Ø 4 mm test probe with

spring-loaded MULTILAM, the other end with right angled Ø 4 mm MULTILAM plug with rigid insulating sleeve. Supplied with protective cap.



Order No	Type		Blister size
99.01415	E4S-130		S1

Technical Data	
Rated voltage	1000 V, CAT II
Rated current	20 A
Lead cross section	1.0 mm ²
Lead insulation	PVC
Lead length	100 cm
Type	XPF-484
Certifications	  

E4S-140





Ø 4 mm Safety Test Leads with Test Probes (2 pcs. black/red)

Highly flexible test leads with insulation in Silicone. One end with Ø 4 mm test probe

with spring-loaded MULTILAM, the other end with right angled Ø 4 mm MULTILAM plug with rigid insulating sleeve. Supplied with protective cap.



Order No	Type		Blister size
99.01416	E4S-140		S1

Technical Data	
Rated voltage	1000 V, CAT II
Rated current	20 A
Lead cross section	1.0 mm ²
Lead insulation	Silicone
Lead length	100 cm
Type	XPS-484
Certifications	   

Ø 4 mm Test Probes

E4S-170

Ø 4 mm Safety Test Probes (2 pcs. black/red)

Tapered, stainless steel rigid needle.
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		Blister size
99.01417	E4S-170		S3

Technical Data	
Rated voltage	1000 V, CAT III
Rated current	1 A
Overall length	122 mm
Type	SPP4-S
Certifications	CE

E4S-180

Ø 4 mm Safety Test Probes (2 pcs. black/red)

Ø 2 mm stainless steel test probes, rigid.
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		Blister size
99.01418	E4S-180		S3

Technical Data	
Rated voltage	1000 V, CAT II
Rated current	10 A
Overall length	115 mm
Type	PP-115/2
Certifications	CE cULus




E4S-190

Ø 4 mm Safety Test Probes (2 pcs. black/red)

Ø 4 mm test probes with spring-loaded MULTILAM. 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		Blister size
99.01431	E4S-190		S3

Technical Data	
Rated voltage	1000 V, CAT II
Rated current	32 A
Overall length	115 mm
Type	PP-115/4
Certifications	  

E4S-200


Ø 4 mm Safety Test Probes (2 pcs. black/red)

Ø 4 mm test probes with spring-loaded MULTILAM. 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		Blister size
99.01419	E4S-200		S3

Technical Data	
Rated voltage	1000 V, CAT II
Rated current	32 A
Overall length	140 mm
Type	SPP4-L
Certifications	

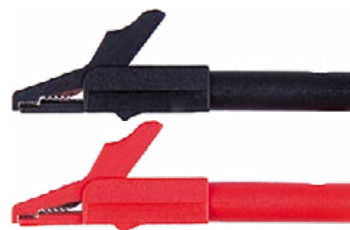
Ø 4 mm Test Clips

E4S-220

Small Ø 4 mm Safety Crocodile Clips (2 pcs. black/red)

Small, slim crocodile clip 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		Blister size
99.01421	E4S-220		S3

Technical Data	
Rated voltage	300 V, CAT II
Rated current	15 A
Clamping capacity	11 mm
Type	SAGK4-K
Certifications	CE

E4S-230





Ø 4 mm Safety Crocodile Clips (2 pcs. black/red)

Crocodile clip 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		Blister size
99.01422	E4S-230		S3

Technical Data	
Rated voltage	1000 V, CAT II
Rated current	32 A
Clamping capacity	20 mm
Type	XKK-1001
Certifications	   

E4S-250





Ø 4 mm Safety Dolphin Clips (2 pcs. black/red)

Dolphin clips 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		Blister size
99.01423	E4S-250		S3

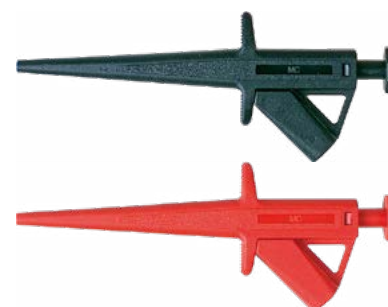
Technical Data	
Rated voltage	1000 V, CAT III
Rated current	32 A
Clamping capacity	30 mm
Type	XDK-1033
Certifications	   

E4S-270




Ø 4 mm Safety Hook Clips (2 pcs. black/red)

Test connectors 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		Blister size
99.01424	E4S-270		S3

Technical Data	
Rated voltage	1000 V, CAT III
Rated current	4 A
Type	SKPS-4/A
Certifications	  

E4S-280




Ø 4 mm Safety Grabber Clips (2 pcs. black/red)

Test clips 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		Blister size
99.01425	E4S-280		S3

Technical Data	
Rated voltage	1000 V, CAT II
Rated current	4 A
Clamping capacity	~ 2.5 mm
Type	SKPS-4
Certifications	  

E4S-300




Ø 4 mm Safety Jaw Clips (2 pcs. black/red)

Test clip 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		Blister size
99.01426	E4S-300		S3

Technical Data	
Rated voltage	1000 V, CAT III
Rated current	16 A
Clamping capacity	20 mm
Type	GRIP-CI
Certifications	  




E4S-320

Ø 4 mm Safety Flat Test Clips (2 pcs. black/red)

Flat test clip for making quick, sure contact in voltage measurements. With adjustable stop. Ø 4 mm rigid socket in handle accepting spring-loaded Ø 4 mm plugs with rigid insulating sleeve.



Order No	Type		Blister size
99.01427	E4S-320		S3

Technical Data	
Rated voltage	600 V, CAT III
Rated current	5 A
Clamping capacity	0 ... 30 mm
Type	GRIP-F
Certifications	  

Ø 4 mm Plugs for Self-assembled Test Leads

E4S-340

Stackable Ø 4 mm Safety Plugs with Solder Connection (4 pcs. black/red)

Stackable Ø 4 mm plugs with spring-loaded MULTILAM for self-assembly of test leads.
With rigid insulating sleeve.



Order No	Type		Blister size
99.01428	E4S-340		S3

Technical Data	
Rated voltage	1000 V, CAT II
Rated current	max. 32 A
Connection	Cross hole for solder connection
Surface treatment contact parts	gold-plated
Connectable Lead cross section/diameter	0.75 mm²... 2.5 mm² / ~ Ø 3.9 mm
Type	SLS425-SE/Q

E4S-350

Stackable Ø 4 mm Safety Plugs with Screw Connection (4 pcs. black/red)

Stackable Ø 4 mm plugs with spring-loaded MULTILAM for self-assembly of test leads.
With rigid insulating sleeve.



Order No	Type		Blister size
99.01429	E4S-350		S3


Technical Data	
Rated voltage	600 V, CAT II
Rated current	max. 32 A
Connection	Screw connection
Surface treatment contact parts	nickel-plated
Connectable Lead cross section/diameter	max. 2.5 mm² / max. Ø 3.9 mm
Type	XL-446

E4S-360

In-line Ø 4 mm Safety Plugs (4 pcs. black/red)

In-line Ø 4 mm plugs with spring-loaded MULTILAM for self-assembly of test leads. With rigid insulating sleeve.



Order No	Type		Blister size
99.01430	E4S-360		S3

Technical Data	
Rated voltage	1000 V, CAT II
Rated current	max. 32 A
Connection	Screw connection
Surface treatment contact parts	nickel-plated
Connectable Lead cross section/diameter	max. 2.5 mm ² /max. Ø 3.9 mm
Type	XL-410

Ø 4 mm Magnetic Contact Adapters

E4S-440

Magnetic Adapters (2 pcs. black/red)

Magnetic adapters for connection of screw heads. With rigid Ø 4 mm socket in insulator, suitable for mating with spring-loaded

Ø 4 mm plugs with rigid insulating sleeve.



Order No	Type		Blister size
99.01510	E4S-440		S3

Technical Data	
Rated voltage	1000 V, CAT III 600 V, CAT IV
Rated current	2 A
Diameter of magnet	Ø 7 mm
Type	XMA-7
Certifications	CE

E4S-460

Magnetic Adapters (2 pcs. black/red)

Magnetic adapters for connection of screw heads. With rigid Ø 4 mm socket in insulator, suitable for mating with spring-loaded Ø 4 mm plugs with rigid insulating sleeve.



Order No	Type		Blister size
99.01511	E4S-460		S3

Technical Data	
Rated voltage	1000 V, CAT IV
Rated current	2 A
Diameter of magnet	Ø 11 mm
Type	XMA-11
Certifications	CE

E4S-480

Magnetic Adapters (2 pcs. black/red)

Magnetic adapters for connection of screw heads. With rigid Ø 4 mm socket in insulator, suitable for mating with spring-loaded Ø 4 mm plugs with rigid insulating sleeve.



Order No	Type		Blister size
99.01512	E4S-480		S3

Technical Data	
Rated voltage	1000 V, CAT IV
Rated current	2 A
Diameter of magnet	Ø 7 mm
Type	XMA-7L
Certifications	CE

Measurement Categories according to IEC/EN 61010-031:2008

To facilitate the assignment of test accessories to the appropriate applications, standard IEC/EN 61010-031 has established a number of categories which define where they can be used in the power supply network and to lay down appropriate requirements for each category.

Formerly (until 2002), the measurement categories now defined in standard IEC/EN 61010-031 were designated as overvoltage categories. This term originated from the

fact that the classification was based primarily upon the overvoltages (surges) that were likely to occur in the power grid.

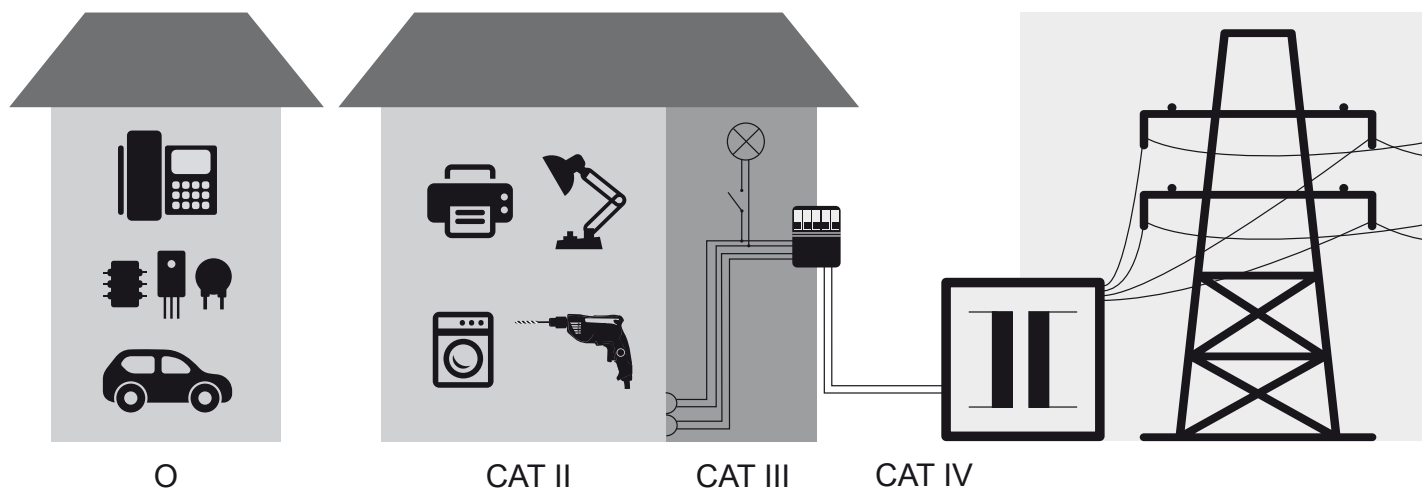
Actually the measurement categories differ not so much in the level of the expected transient values as with regard to the available energy in each test category in the event of a short circuit.

In a higher measurement category more energy can be released than in a lower one, with results that may even have an explo-

sive like character with very serious consequences for the user.

In standard EN 61010-031 there are different test categories, abbreviated "CAT". The category CAT followed by a number from I to IV is stated in our catalogs with the rated voltage, and also marked on the products.

As a general rule, the higher the CAT rating, the higher the safety requirement that applies to the product.



O Other circuits that are not directly connected to mains.

CAT II applies to measurements on equipment that is connected to the grid or supplied from the grid without constituting a part of the grid installation.

CAT III applies to measurements inside the house or building installation.

CAT IV applies to measurements at the supply source of the installation (input side).

Index

Type	Page
E4S-010	14
E4S-020	14
E4S-030	15
E4S-040	15
E4S-045	16
E4S-055	17
E4S-130	17
E4S-140	18
E4S-170	19
E4S-180	19
E4S-190	20
E4S-200	20
E4S-220	21
E4S-230	22
E4S-250	22
E4S-270	23
E4S-280	23
E4S-300	24
E4S-320	24
E4S-340	25

Type	Page
E4S-350	25
E4S-360	26
E4S-440	26
E4S-460	27
E4S-480	27
Z4-100	6
Z4-200	6
Z4S-050	7
Z4S-100	7
Z4S-150	8
Z4S-200	8
Z4S-250	9
Z4S-300	9
Z4S-350	10
Z4S-400	10
Z4S-650	11
ZHF-500	12
ZHF-600	13

Notes

Notes



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