

Multi-Contact MC[®]



Blister Pack Programme

TEST ACCESSORIES

With this catalogue we present our new blister-pack programme **TEST ACCESSORIES**.

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 value at an economical price – naturally with the customary MC[®] quality.

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

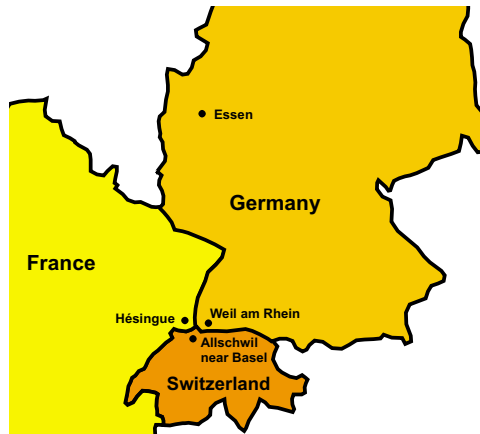
For the display of the products in the sales rooms, we supply all the articles in this catalogue in blister packs to hang on perforated panels.

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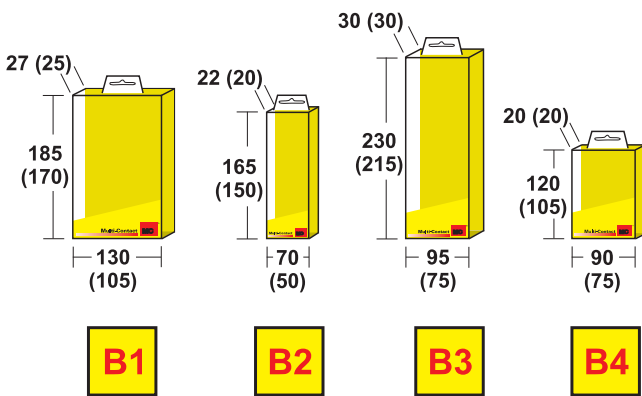


Examples for Blister Packs



Dimensions of the Blister Packs

We use four standard blister sizes:



The figures given in the drawings for width, height and depth are approximate **outer (inner)** dimensions in millimetres. In the catalogue, the employed blister size is indicated by the symbol **B1** to **B4** beside each article.

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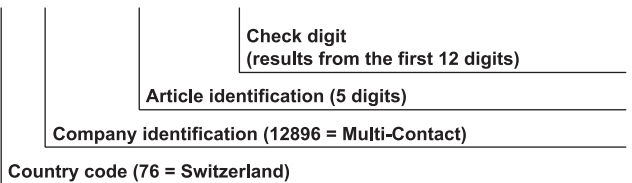
High Frequency Safety Test Accessories

BNC / ø 4 mm Safety Adapters and Safety BNC Signal Distributors, Fully Insulated BNC Panel-mounting Sockets and Plugs	15
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The Bar Code on our Blister Packs



The EAN-13 Code



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.

Perforated Panel Stands

EZ-100



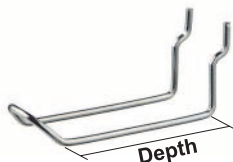
Perforated Panel Stands for clearly visible, ready-at-hand presentation of products in self-service sales rooms.

If you require dimensions that differ from those stated below, please contact us!!

Dimensions: Width x Height x Depth	67 cm x 185 cm x 41 cm
Order No.	99.00218

Hang-sell Hooks

EZ-200, EZ-300, EZ-400



Hang-sell hooks to fit in the holes of pegboard point-of-sale stands. The hooks are available in various lengths. If you require sizes that differ from those stated below, please contact us.

Type / Depth	Order No.
EZ-200 / 6,5 cm	99.00220
EZ-300 / 10,5 cm	99.00221
EZ-400 / 16 cm	99.00222

Backing Cards

EZ-500



Backing cards to facilitate the work of sales staff when refilling with stock. The cards are hung on the hook at the back, behind the goods. When all blister packs of an article have been sold, the relevant bar code can quickly be scanned in from the backing card. The backing cards are supplied in sets of approximately 72, corresponding to our complete blister pack range.

Order No.	99.00230
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The ø 2 mm Safety System



The ø 2 mm safety system:

- Lightweight
- Space-saving
- Protected against accidental touching in accordance with IEC / EN 61010-2-031

ø 2 mm Safety Test Lead Set with Accessories (8-piece)

Z2S-100

Silicone**B2**

Test lead set, consisting of:

- ø 2 mm safety test leads, Silicone-insulated, 100 cm long, 0.5 mm², 10 A
- Push-on, fully insulated safety crocodile clips with powerful jaws and surface for gripping fine wires
- Push-on safety test probes, stainless steel, rigid, with protective cap, for contact with individual IC legs (spacing 2.54 mm)
- Push-on safety test clip with spring wire grabber, max. 300 V (CAT II)

Rated voltage	max. 600 V, CAT II
Order No.	99.00179

Stackable ø 2 mm Safety Plugs (assortment, 12 pcs.) **E2S-100**

B4



ø 2 mm safety plug with soldering connection for connecting flexible leads. ø 2 mm socket at rear permits insertion of further ø 2 mm plugs.

Rated voltage / current	600 V, CAT II / 10 A
Recommended conductor cross-section / outside diameter	0.5 mm ² / ø 2.5 mm
Order No.	99.00002

ø 2 mm Safety Test Leads (assortment, 6 pcs.) **E2S-200**

B2



High-flexibility safety test leads. Both ends fitted with ø 2 mm stackable safety plugs.



Rated voltage / current	600 V, CAT II / 10 A
Lead cross-section / insulation / length	0.5 mm ² / PVC / 100 cm
Order No.	99.00005

ø 2 mm Panel-mounting Safety Sockets (assortment, 12 pcs.) **E2S-300**

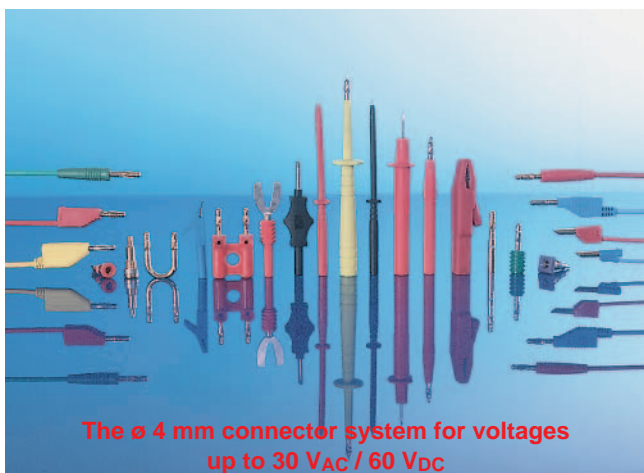
B4



Touch-protected safety sockets to mate with ø 2 mm safety plugs for mounting in holes drilled in panels of plastic, metal etc. The sockets may be fitted by pressing-in or screwing in place (flush or raised panel mounting).

Rated voltage / current	600 V, CAT III / 10 A
Connection	round pin ø 1.9 mm
Order No.	99.00008

The ø 4 mm Connector System



The ø 4 mm connector system for voltages up to 30 V_{AC} / 60 V_{DC}

ø 4 mm Test Lead Set with Accessories (6-piece) **Z4-100**

B1



Test lead set, consisting of:

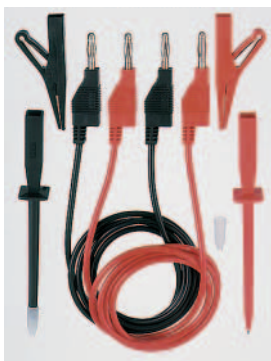
- ø 4 mm test leads, PVC insulated, 150 cm, 2.5 mm², max. 32 A
- Push-on test probes, stainless steel, rigid
- Push-on test clips

Rated voltage	30 V _{AC} / 60 V _{DC}
Order No.	99.00182

ø 4 mm Test Lead Set with Accessories (6-piece) **Z4-200**

B1

Silicone



Test lead set, consisting of:

- ø 4 mm test leads, Silicone insulated, 100 cm, 0.75 mm², max. 15 A
- Push-on test probes, stainless steel, rigid, with protective caps for non-slip contact with individual IC legs (spacing 2.54 mm)
- Push-on test clips with sharp toothed jaws, max. 2 A

Rated voltage	30 V _{AC} / 60 V _{DC}
Order No.	99.00185

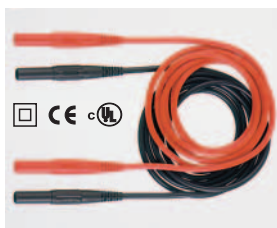
The ø 4 mm Safety System



ø 4 mm Safety Test Leads
(2 pcs. red / black)

E4S-010

B1



Highly flexible safety test leads.
ø 4 mm inline safety plug at each end.

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm ² / PVC / 150 cm
Order No.	99.00011

ø 4 mm Safety Test Leads
(2 pcs. red / black)

E4S-030

B1



Highly flexible safety test leads.
One end ø 4 mm inline safety plug, other end right-angled ø 4 mm safety plug.

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm ² / PVC / 150 cm
Order No.	99.00017

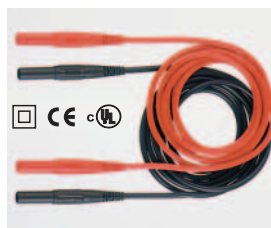
In Conformity with Standards and Safe.



ø 4 mm Safety Test Leads
(2 pcs. red / black)

E4S-020

B1



Highly flexible safety test leads.
ø 4 mm inline safety plug at each end.

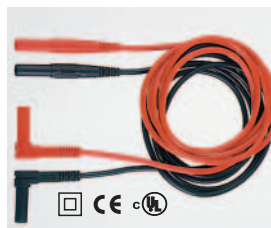
Silicone

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm ² / Silicone / 150 cm
Order No.	99.00014

ø 4 mm Safety Test Leads
(2 pcs. red / black)

E4S-040

B1



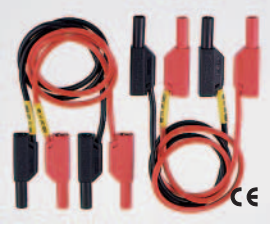
Highly flexible safety test leads.
One end ø 4 mm inline safety plug, other end right-angled ø 4 mm safety plug.

Silicone

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm ² / Silicone / 150 cm
Order No.	99.00020

4 mm Safety Test Leads (4 pcs. red / black) E4S-050

B1



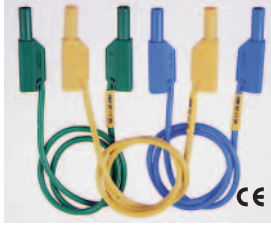
50 cm

High-flexibility safety test leads. Both ends fitted with ø 4 mm stackable safety plugs.

Rated voltage / current	1000 V, CAT III / 32 A
Lead cross-section / insulation / length	2.5 mm ² / PVC / 50 cm
Order No.	99.00023

ø 4 mm Safety Test Leads (3 pcs. blue / yellow / green) E4S-060

B2



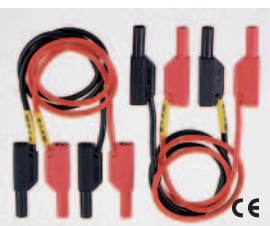
50 cm

High-flexibility safety test leads. Both ends fitted with ø 4 mm stackable safety plugs.

Rated voltage / current	1000 V, CAT III / 32 A
Lead cross-section / insulation / length	2.5 mm ² / PVC / 50 cm
Order No.	99.00026

ø 4 mm Safety Test Leads (4 pcs. red / black) E4S-070

B1



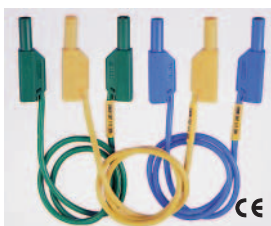
100 cm

High-flexibility safety test leads. Both ends fitted with ø 4 mm stackable safety plugs.

Rated voltage / current	1000 V, CAT III / 32 A
Lead cross-section / insulation / length	2.5 mm ² / PVC / 100 cm
Order No.	99.00029

ø 4 mm Safety Test Leads (3 pcs. blue / yellow / green) E4S-080

B1



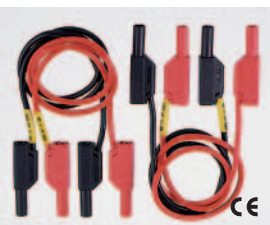
100 cm

High-flexibility safety test leads. Both ends fitted with ø 4 mm stackable safety plugs.

Rated voltage / current	1000 V, CAT III / 32 A
Lead cross-section / insulation / length	2.5 mm ² / PVC / 100 cm
Order No.	99.00032

ø 4 mm Safety Test Leads (4 pcs. red / black) E4S-090

B1



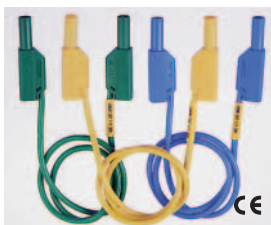
200 cm

High-flexibility safety test leads. Both ends fitted with ø 4 mm stackable safety plugs.

Rated voltage / current	1000 V, CAT III / 32 A
Lead cross-section / insulation / length	2.5 mm ² / PVC / 200 cm
Order No.	99.00035

ø 4 mm Safety Test Leads (3 pcs. blue / yellow / green) E4S-100

B1



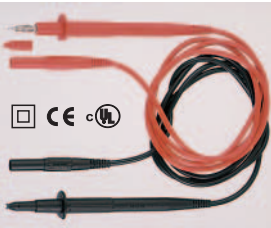
200 cm

High-flexibility safety test leads. Both ends fitted with ø 4 mm stackable safety plugs.

Rated voltage / current	1000 V, CAT III / 32 A
Lead cross-section / insulation / length	2.5 mm ² / PVC / 200 cm
Order No.	99.00038

ø 4 mm Safety Test Leads with Test Probes (2 pcs. red / black) **E4S-110**

B1

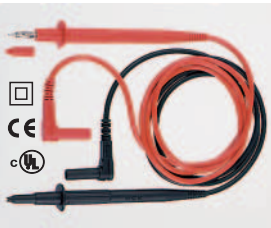


Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam[®], other end ø 4 mm inline safety plug. With protective caps for test connection to IC's (leg spacing 2.54 mm).

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm ² / PVC / 100 cm
Order No.	99.00041

ø 4 mm Safety Test Leads with Test Probes (2 pcs. red / black) **E4S-130**

B1



Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam[®], other end right-angled ø 4 mm safety plug. With protective caps for test connection to IC's (leg spacing 2.54 mm).

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm ² / PVC / 100 cm
Order No.	99.00047

ø 4 mm Safety Test Lead with Test Probe (black) **E4S-150**

B3



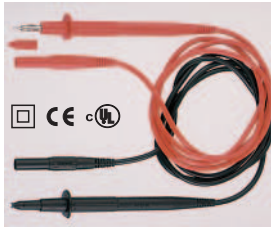
IP2X

Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam[®], other end ø 4 mm inline safety plug. The insulating sleeve over the probe tip can be pushed back at the press of a button.

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm ² / PVC / 150 cm
Order No.	99.00053

ø 4 mm Safety Test Leads with Test Probes (2 pcs. red / black) **E4S-120**

B1



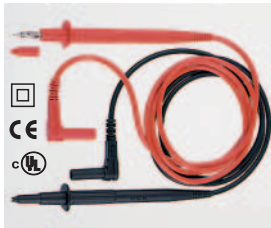
Silicone

Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam[®], other end ø 4 mm inline safety plug. With protective caps for test connection to IC's (leg spacing 2.54 mm).

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm ² / Silicone / 100 cm
Order No.	99.00044

ø 4 mm Safety Test Leads with Test Probes (2 pcs. red / black) **E4S-140**

B1



Silicone

Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam[®], other end right-angled ø 4 mm safety plug. With protective caps for test connection to IC's (leg spacing 2.54 mm).

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm ² / Silicone / 100 cm
Order No.	99.00050

ø 4 mm Safety Test Lead with Test Probe (red) **E4S-160**

B3



IP2X

Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam[®], other end ø 4 mm inline safety plug. The insulating sleeve over the probe tip can be pushed back at the press of a button.

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm ² / PVC / 150 cm
Order No.	99.00056



ø 4 mm Safety Test Probes

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

E4S-170

B2



Slim, tapered rigid stainless steel probe with ø 4 mm safety socket to fit on all spring-loaded ø 4 mm plugs. Protective caps for non-slip contact with individual IC legs (spacing 2.54 mm) are supplied with the probes.

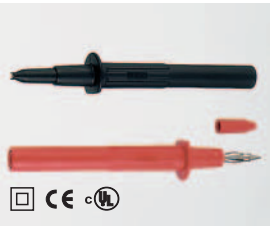
☐ CE

Rated voltage	1000 V, CAT III
Test contact	slim stainless-steel point, rigid
Overall length	122 mm
Order No.	99.00059

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

E4S-190

B2



ø 4 mm test probes with spring Multilam®. ø 4 mm safety socket in handling part to fit on all spring-loaded ø 4 mm plugs. Protective caps for non-slip contact with individual IC legs (spacing 2.54 mm) are supplied with the probes.

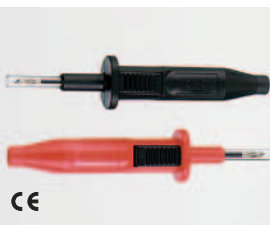
☐ CE cUL

Rated voltage/ current	1000 V, CAT III / 20 A
Test contact	ø 4 mm probe with spring Multilam®
Overall length	115 mm
Order No.	99.00065

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

E4S-210

B3



IP2X
ø 4 mm test probes with spring Multilam®. The insulating sleeve over the probe tip can be pushed back at the press of a button. ø 4 mm safety socket in handling part to fit on all spring-loaded ø 4 mm plugs.

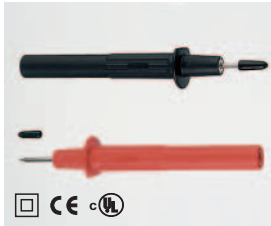
CE

Rated voltage / current	1000 V, CAT III / 32 A
Test contact	ø 4 mm probe with spring Multilam®
Overall length	~ 170 mm
Order No.	99.00071

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

E4S-180

B2



ø 2 mm stainless steel probe with ø 4 mm safety socket in handling part to fit on all spring-loaded ø 4 mm plugs.

☐ CE cUL

Rated voltage / current	1000 V, CAT III / 10 A
Test contact	ø 2 mm stainless-steel point, rigid
Overall length	115 mm
Order No.	99.00062

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

E4S-200

B2



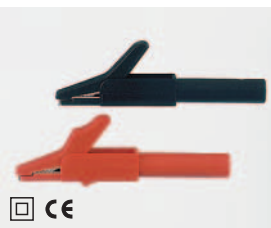
ø 4 mm test probes with spring Multilam®. ø 4 mm safety socket in handling part to fit on all spring-loaded ø 4 mm plugs. Protective caps for non-slip contact with individual IC legs (spacing 2.54 mm) are supplied with the probes.

☐ CE

Rated voltage / current	1000 V, CAT III / 32 A
Test contact	ø 4 mm probe with spring Multilam®
Overall length	140 mm
Order No.	99.00068

Small ø 4 mm Safety Crocodile Clips (2 pcs. red / black) **E4S-220**

B4

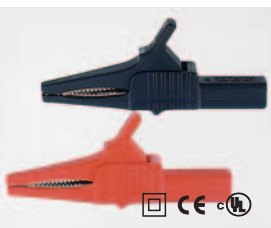


Small, slim safety test clips with all-round insulation. Toothed jaws for wide grip with surface for fine wire. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

Rated voltage / current	300 V, CAT II / max. 15 A
Test connection	Toothed jaws with surface for fine wire
Clamping capacity	11 mm
Overall length	54.5 mm
Order No.	99.00074

ø 4 mm Safety Crocodile Clips (2 pcs. red / black) **E4S-230**

B4



Safety test clips with all-round insulation. Toothed jaws for wide grip with surface for fine wire. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

Rated voltage / current	1000 V, CAT II / max. 32 A
Test connection	Toothed jaws with surface for fine wire
Clamping capacity	20 mm
Overall length	82.2 mm
Order No.	99.00077

ø 4 mm Safety Dolphin Clips (2 pcs. red / black) **E4S-250**

B4



Safety dolphin clips with all-round insulation. Toothed jaws for wide grip with surface for fine wire. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

Rated voltage / current	1000 V, CAT III / max. 32 A
Test connection	Toothed jaws with surface for fine wire
Clamping capacity	30 mm
Overall length	92 mm
Order No.	99.00083

ø 4 mm Safety Hook Clips (2 pcs. red / black) **E4S-270**

B2

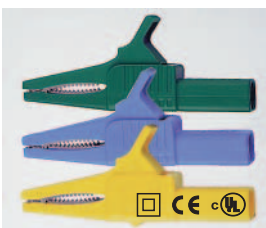


Safety test connectors with rigid hook clip for hooking onto wires. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

Rated voltage / current	1000 V, CAT III / max. 3 A
Test connector	Rigid hook clip ~ 1 mm
Max. grip diameter	125 mm
Overall length	
Order No.	99.00089

ø 4 mm Safety Crocodile Clips (3 pcs. blue / yellow / green) **E4S-240**

B4

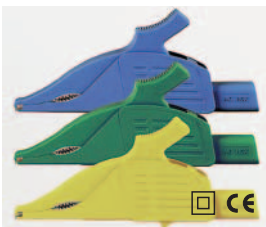


Safety test clips with all-round insulation. Toothed jaws for wide grip with surface for fine wire. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

Rated voltage / current	1000 V, CAT II / max. 32 A
Test connection	Toothed jaws with surface for fine wire
Clamping capacity	20 mm
Overall length	82.2 mm
Order No.	99.00080

ø 4 mm Safety Dolphin Clips (3 pcs. blue / yellow / green) **E4S-260**

B4

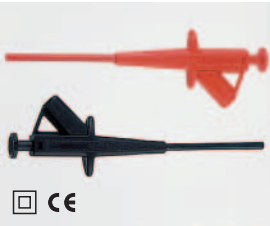


Safety dolphin clips with all-round insulation. Toothed jaws for wide grip with surface for fine wire. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

Rated voltage / current	1000 V, CAT III / max. 32 A
Test connection	Toothed jaws with surface for fine wire
Clamping capacity	30 mm
Overall length	92 mm
Order No.	99.00086

ø 4 mm Safety Grabber Clips (2 pcs. red / black) **E4S-280**

B2

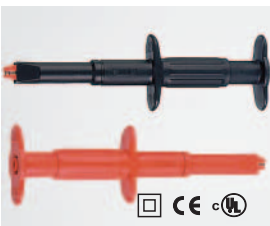


Safety test clip with spring-wire grabber in flexible, Silicone-insulated shank with very good heat resistance. Suitable for single-handed operation. ø 4 mm safety socket in handling part to fit on all spring-loaded ø 4 mm plugs.

Rated voltage / current	1000 V, CAT III / max. 4 A
Test connector	Spring-wire grabber
Max. grip diameter	~ 5 mm
Overall length	155 mm
Order No.	99.00092

ø 4 mm Safety Jaw Clips (2 pcs. red / black) **E4S-300**

B2

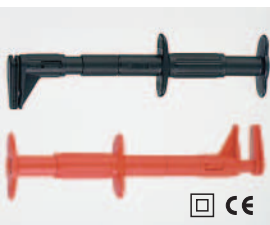


Safety test clip with strong jaws insulated on the outside. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

Rated voltage / current	1000 V, CAT III / max. 16 A
Test connector	Strong jaws
Clamping capacity	20 mm
Overall length	131 mm
Order No.	99.00098

ø 4 mm Safety Flat Test Clips (2 pcs. red / black) **E4S-320**

B1

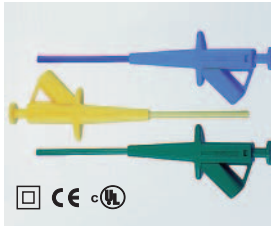


Safety flat test clip for making quick, sure contact in voltage measurements. With adjustable stop. Inline test connection via ø 4 mm safety socket to fit on all spring-loaded ø 4 mm plugs.

Rated voltage/ current	600 V, CAT III / 5 A
Test connector	0 ... 30 mm
Overall length	152 mm
Order No.	99.00104

ø 4 mm Safety Grabber Clips (3 pcs. blue / yellow / green) **E4S-290**

B1

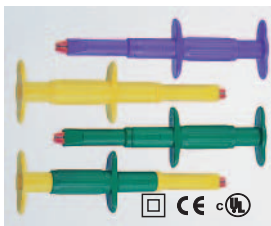


Safety test clip with spring-wire grabber in flexible, Silicone-insulated shank with very good heat resistance. Suitable for single-handed operation. ø 4 mm safety socket in handling part to fit on all spring-loaded ø 4 mm plugs.

Rated voltage / current	1000 V, CAT III / max. 4 A
Test connector	Spring-wire grabber
Max. grip diameter	~ 5 mm
Overall length	155 mm
Order No.	99.00095

ø 4 mm Safety Jaw Clips (4 pcs. yellow / green / violet / green-yellow) **E4S-310**

B1

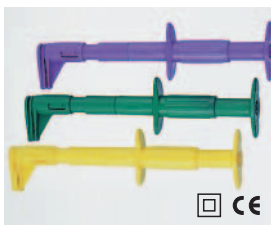


Safety test clip with strong jaws insulated on the outside. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

Rated voltage / current	1000 V, CAT III / max. 16 A
Test connector	Strong jaws
Clamping capacity	20 mm
Overall length	131 mm
Order No.	99.00101

ø 4 mm Safety Flat Test Clips (3 pcs. yellow / green / violet) **E4S-330**

B1



Safety flat test clip for making quick, sure contact in voltage measurements. With adjustable stop. Inline test connection via ø 4 mm safety socket to fit on all spring-loaded ø 4 mm plugs.

Rated voltage/ current	600 V, CAT III / 5 A
Test connector	0 ... 30 mm
Overall length	152 mm
Order No.	99.00107

Stackable ø 4 mm Safety Plugs (4 pcs. red / black) E4S-340

B4



Solder connection

ø 4 mm safety plug with solder connection for connecting flexible leads. ø 4 mm socket at rear permits insertion of further ø 4 mm plugs.

Rated voltage / current	1000 V, CAT III / 32 A
Max. conductor cross-section / outside diameter	2.5 mm ² / 3.9 mm
Order No.	99.00110

Stackable ø 4 mm Safety Plugs (4 pcs. red / black) E4S-350

B4



Screw connection

ø 4 mm safety plug with screw connection for connecting flexible leads. ø 4 mm socket at rear permits insertion of further ø 4 mm plugs.

Rated voltage / current	600 V, CAT II / max. 32 A
Max. conductor cross-section / outside diameter	2.5 mm ² / 4.0 mm
Order No.	99.00113

ø 4 mm Inline Safety Plugs (4 pcs. red / black) E4S-360

B4



Screw connection

ø 4 mm safety plug with screw connection for connecting flexible leads.

Rated voltage / current	1000 V, CAT II / max. 20 A
Max. conductor cross-section / outside diameter	2.5 mm ² / 3.9 mm
Order No.	99.00116

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ø 4 mm Safety Universal Mounting Sockets with Screw Connection (4 pcs. red / black) E4S-430

B4



Touch-protected ø 4 mm safety sockets for installation in holes drilled in panels or casings in plastic, metal etc. Mounting by pressing-in or screw fitting, flush or raised.

Rated voltage	1000 V, CAT II
- press-in / flush mounting	600 V, CAT II
- raised mounting	
Rated current	20 A
Connection	M4 screw thread
Order No.	99.00137

ø 4 mm Safety Panel-mounting Sockets E4S-370 with Flat Connecting Tab (assortment, 10 pcs.) **B4**



Touch-protected, screw-fitting ø 4 mm safety panel sockets. Mounting of sockets in holes drilled in panels or casings of plastic, metal etc.

Rated voltage / current	1000 V, CAT II / 20 A
Connection	Flat connecting tab 4.8 x 0.8 mm
Order No.	99.00119

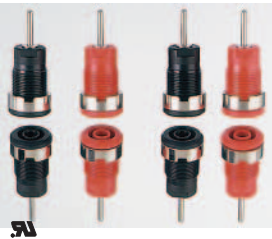
ø 4 mm Safety Panel-mounting Sockets E4S-380 with Screw Connection (assortment, 12 pcs.) **B4**



Touch-protected ø 4 mm safety screw-in sockets for mounting in holes drilled in panels or casings of plastic, metal etc.

Rated voltage / current	1000 V, CAT III / 32 A
Connection	M4 screw thread
Order No.	99.00122

ø 4 mm Safety Panel-mounting Sockets E4S-390 with Round-pin Connection (8 pcs. red / black) **B4**



Touch-protected ø 4 mm safety screw-in sockets for mounting in holes drilled in panels or casings of plastic, metal etc.

Rated voltage / current	1000 V, CAT III / 24 A
Connection	ø 1.9 mm round pin
Order No.	99.00125

ø 4 mm Safety Panel-mounting Sockets E4S-400 with Screw Connection (4 pcs. red / black) **B4**



gold-plated

Touch-protected ø 4 mm safety screw-in sockets for mounting in holes drilled in panels or casings of plastic, metal etc.

Rated voltage / current	1000 V, CAT III / 32 A
Connection	M4 screw thread (gold-plated)
Order No.	99.00128

ø 4 mm Safety Panel-mounting Sockets with Screw Connection E4S-410 (6 pcs. yellow / green / violet) **B4**



gold-plated

Touch-protected ø 4 mm safety screw-in sockets for mounting in holes drilled in panels or casings of plastic, metal etc.

Rated voltage / current	1000 V, CAT III / 32 A
Connection	M4 screw thread (gold-plated)
Order No.	99.00131

ø 4 mm Safety Bridging Sockets E4S-420 (4 pcs. red / black) **B4**



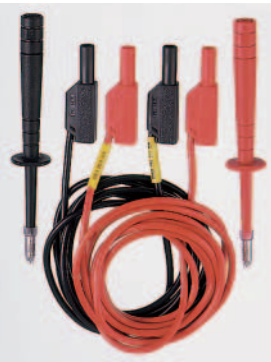
Touch-protected ø 4 mm safety screw-in sockets for mounting in holes drilled in panels or casings of plastic, metal etc. Bridging function effected by insertion of a plug.

Rated voltage / current	1000 V, CAT III / 20 A
Connection	2x Flat connecting tab 4.8 x 0.8 mm
Order No.	99.00134

ø 4 mm Safety Test Lead Set with Accessories (4-piece)

Z4S-050

B1



Silicone

Test lead set, consisting of:

- ø 4 mm safety test leads with stackable plugs, Silicone insulated, 200 cm, 2.5 mm², max. 32 A
- Push-on safety test probes with spring Multilam[®] and with protective cap for contact with individual IC legs (spacing 2.54 mm)

CE

Rated voltage	1000 V, CAT III
Order No.	99.00188

ø 4 mm Safety Test Lead Set "Electrical 1" (8-piece)

Z4S-150

B1



Silicone

Test lead set, consisting of:

- ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm², 19 A
- Push-on safety crocodile clips with all-round insulation and strong jaws with surface for fine wire
- Safety cable lug adapter
- Push-on safety test probes, stainless steel, rigid, max. 10 A

Rated voltage	1000 V, CAT II
Order No.	99.00194

ø 4 mm Safety Test Lead Set "Automotive" (8-piece)

Z4S-100

B1



Silicone

Test lead set, consisting of:

- ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm², 19 A
- Push-on safety crocodile clips with all-round insulation and strong jaws with surface for fine wire
- Push-on safety test probes, stainless steel, rigid, with protective cap for contact with individual IC legs (spacing 2.54 mm)
- Push-on safety test clips with strong jaws insulated on the outside, max. 16 A

CE

Rated voltage	1000 V, CAT II
Order No.	99.00191

ø 4 mm Safety Test Lead Set "Electrical 2" (8-piece) Z4S-200



Silicone **B1**

- Test lead set, consisting of:
- ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm², 19 A
 - Push-on safety crocodile clips with all-round insulation and strong jaws with surface for fine wire
 - Safety cable lug adapter
 - Push-on safety test probes with spring Multilam® and protective cap for contact with individual IC legs (spacing 2.54 mm)

Rated voltage	1000 V, CAT II
Order No.	99.00197

ø 4 mm Safety Test Lead Set "Electronics" (10-piece) Z4S-300



Silicone **B1**

- Test lead set, consisting of:
- ø 4 mm safety test leads, Silicone insulated, 100 cm, 0.75 mm², max. 15 A
 - Push-on safety hook clips, max. 3 A
 - Push-on safety grabber clips, max. 1 A
 - Push-on safety probes, stainless steel, spring-loaded
 - Push-on safety crocodile clips with strong jaws with surface for fine wire, max. 300 V, CAT II

☐ CE

Rated voltage	max. 1000 V, CAT II
Order No.	99.00203

ø 4 mm Safety Test Lead Set "Universal" (8-piece) Z4S-250



Silicone **B1**

- Test lead set, consisting of:
- ø 4 mm safety test leads with stainless steel probe with thread for screwing-on accessories, Silicone insulated, 100 cm, 0.75 mm², max. 15 A
 - Screw-on safety hook clips, max. 30 V_{AC} / 60 V_{DC}, 3 A
 - Screw-on safety crocodile clips with surface for fine wire, 10 A
 - Screw-on cable lugs, max. 30 V_{AC} / 60 V_{DC}

Rated voltage	max. 600 V, CAT II
Order No.	99.00200

ø 4 mm Safety Test Lead Set
"Electrical 3" (6-piece)

Z4S-350

B1



Silicone

Test lead set, consisting of:

- ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm², 19 A
- Push-on safety test clips with strong jaws insulated on the outside, max. 16 A
- Push-on safety test probes, stainless steel, rigid, max. 10 A

CE cUL

Rated voltage	1000 V, CAT III
Order No.	99.00206

ø 4 mm Safety Test Lead Set
"Electrical 4" (6-piece)

Z4S-400

B1



Silicone

Test lead set, consisting of:

- ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm², 19 A
- Push-on safety test clips with strong jaws insulated on the outside, max. 16 A
- Push-on safety test probes with spring Multilam[®] and protective cap for contact with individual IC legs (spacing 2.54 mm)

CE cUL

Rated voltage	1000 V, CAT III
Order No.	99.00209

ø 4 mm Safety Test Lead Set
"Electrical 5" (6-piece)

Z4S-500

B1



Silicone

Test lead set, consisting of:

- ø 4 mm safety test leads, Silicone insulated, 150 cm long, 1.0 mm², 19 A
- Push-on safety test probes with spring Multilam[®] and transparent protective sleeve (protection class IP2X)
- Push-on safety dolphin clips with all-round insulation. Toothed jaws with surface for fine wire

CE

Rated voltage	1000 V, CAT III
Order No.	99.00212

BNC / ø 4 mm Safety Adapter (2 pcs. black-red) EHF-025



BNC - ø 4 mm

B4

Fully insulated adapters. One side BNC plug, other side two ø 4 mm safety sockets (red socket: BNC internal conductor; black socket: shield).

Rated voltage - Shield / earth - Inner conductor / shield	1000 V, CAT II 500 V, CAT II
Order No.	99.00140

BNC / ø 4 mm Safety Adapter (2 pcs. black-red) EHF-275



BNC - ø 4 mm

B4

Fully insulated adapters. One side BNC socket, other side two ø 4 mm safety plugs (red plug: BNC internal conductor; black plug: shield).

Rated voltage - Shield / earth - Inner conductor / shield	1000 V, CAT II 500 V, CAT II
Order No.	99.00215

Safety BNC Signal Distributors (2 pcs. black) EHF-050



BNC - BNC

B4

Fully insulated signal distributor with one BNC plug and two BNC sockets. All inner conductors and all shields are interconnected.

Rated voltage - Shield / earth - Inner conductor / shield	1000 V, CAT II 500 V, CAT II
Order No.	99.00143

Fully Insulated BNC Panel Sockets (4 pcs. red / black) EHF-075



Solder connection

B4

Fully insulated safety sockets to mate with BNC plugs. Mounting of sockets in holes drilled in panels or casings of plastic, metal etc.

Bemessungsspannung	Shield / earth: 1000 V, CAT II Inner conductor / shield: 1000 V, CAT II
Connection	Inner conductor: round soldering pin Shield: soldering tag
Order No.	99.00146

Fully Insulated BNC Panel Sockets (4 pcs. red / black) EHF-100



Printed circuit connection

B4

Fully insulated safety sockets to mate with BNC plugs. Mounting of sockets in holes drilled in panels or casings of plastic, metal etc.

Rated voltage	Shield / earth: 1000 V, CAT II Inner conductor / shield: 1000 V, CAT II
Connection	One connecting wire each for inner conductor and shield (length 30 mm, ø 0.8 mm)
Order No.	99.00149

Fully Insulated BNC Plugs (4 pcs. red / black) EHF-125



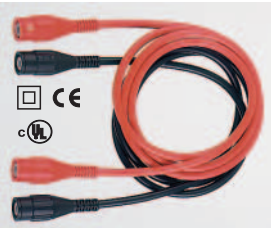
Fully insulated BNC plugs for connecting RG58 cables

B4

Rated voltage	1000 V, CAT II
Order No.	99.00152

Fully Insulated BNC Connecting Leads EHF-150
(2 pcs. red / black)

B1



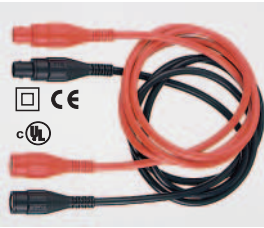
BNC - BNC

BNC connecting leads. With fully insulated BNC plugs at both ends.

Rated voltage	1000 V, CAT II
Impedance	50 Ω
Lead length	100 cm
Order No.	99.00155

Fully Insulated BNC Extension Leads EHF-175
(2 pcs. red / black)

B1



BNC - BNC

BNC extension leads. One end fully insulated BNC plug, other end fully insulated BNC socket.

Rated voltage	1000 V, CAT II
Impedance	50 Ω
Lead length	100 cm
Order No.	99.00158

Fully Insulated Adapter Lead EHF-200
BNC / ø 4 mm

B1



BNC - ø 4 mm

Adapter lead. One end fully insulated BNC plug, other end stackable ø 4 mm safety plugs. (red plug: BNC internal conductor; black plug: shield).

Rated voltage	600 V, CAT II
Lead	Coax lead, PVC insulated (160 cm)
Order No.	99.00161

Fully Insulated Adapter Lead EHF-250
BNC / ø 4 mm

B1



BNC - ø 4 mm

Adapter lead. One end fully insulated BNC plug, other end inline ø 4 mm safety plugs. (red plug: BNC internal conductor; black plug: shield).

Rated voltage	1000 V, CAT II
Lead	Coax lead, PVC insulated (160 cm)
Order No.	99.00167

Safety Probe Set "Demodulator" ZHF-300
(2-piece)



Probe set, comprising:

- Fully insulated high-frequency probe Isoprobe[®] II- DEM - 4 with highly flexible coaxial cable with ø 4 mm safety plugs. (red plug: BNC internal conductor; black plug: shield). ø 2 mm safety socket for reference connection in handling part.
- Reference lead with crocodile clip (10 cm, 600 V, CAT III)

Demodulator

Rated voltage of probe:	1000 V, CAT II
- Shield / earth	250 V _{DC}
- Probe tip / shield	50 V _{PP}
- max. HF voltage	
Frequency range	100 kHz ... 1000 MHz
Order No.	99.00176

Safety Probe Set "Electronics" ZHF-100 (4-piece) B3



**10 : 1
450 MHz**

Probe set, comprising:

- Fully insulated high-frequency probe Isoprobe® II- 10:1 - 450 with highly flexible coaxial cable with BNC plug. Compensation adjusting screw and ø 2 mm safety socket for reference connection in handling part.
- Reference lead with crocodile clip (10 cm, 600 V, CAT III)
- Push-on hook clip with additional reference lead (600 V, CAT II)
- Push-on BNC plug (500 V, CAT II)

Rated voltage of probe: - Shield / earth - Probe tip / shield	1000 V, CAT II max. 1000 V _{AC/DC} (frequency-dependent)
Dividing ratio	10 : 1
Frequency range	DC up to 450 MHz
Order No.	99.00170

Safety Probe Set "Electrical" ZHF-200 (5-piece) B3



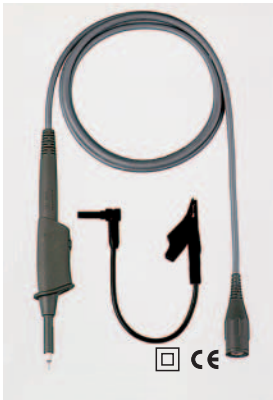
**10 : 1
250 MHz**

Probe set, comprising:

- Fully insulated high-frequency probe Isoprobe® II- 10:1 - 250 with highly flexible coaxial cable with BNC plug. Compensation adjusting screw and ø 2 mm safety socket for reference connection in handling part.
- Reference lead with crocodile clip (10 cm, 600 V, CAT III)
- Push-on ø 4 mm test probe with spring Multilam® (1000 V, CAT II)
- Push-on hook clip (1000 V, CAT II)
- Push-on jaw clip (1000 V, CAT II)

Rated voltage of probe: - Shield / earth - Probe tip / shield	1000 V, CAT II max. 1000 V _{AC/DC} (frequency-dependent)
Dividing ratio	10 : 1
Frequency range	DC up to 250 MHz
Order No.	99.00173

Safety Probe Set "Economy" ZHF-400 (2-piece) B3



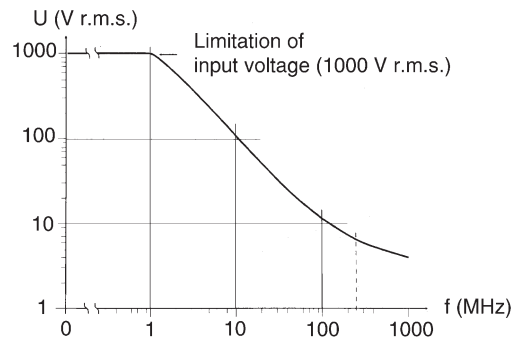
**10 : 1
150 MHz**

Probe set, comprising:

- Fully insulated high-frequency probe Isoprobe® II- 10:1 - 150 with highly flexible coaxial cable with BNC plug. Compensation adjusting screw and ø 2 mm safety socket for reference connection in handling part.
- Reference lead with crocodile clip (10 cm, 600 V, CAT III)

Rated voltage of probe: - Shield / earth - Probe tip / shield	1000 V, CAT II max. 400 V _{AC/DC} (frequency-dependent)
Dividing ratio	10 : 1
Frequency range	DC up to 150 MHz
Order No.	99.00224

Technical Information



The rated voltage of the 10:1 probe dividers is frequency-dependent.

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