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.

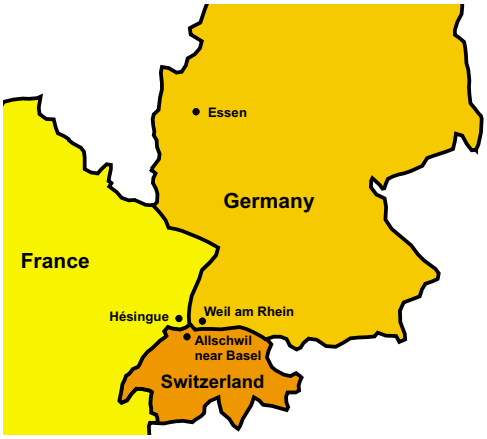
For the display of the products in the sales rooms, we supply all the articles in this catalogue in blister packs to hang on perforated panels.

MC® factories:





Multi-Contact AG Basel
Stockbrunnenrain 8 + 12
Postfach
4123 Allschwil 1
Tel.: (061) 306 55 55
Fax: (061) 306 55 56
http://www.multi-contact.com
E-Mail: mailbox@multi-contact.com



Multi-Contact Deutschland GmbH
Hegenheimer Strasse 19
Postfach 1606
79551 Weil am Rhein
Tel.: (07621) 667 - 0
Fax: (07621) 667 - 100
E-Mail: mailbox@multi-contact.de

Multi-Contact France S.A.
4, rue de l 'Industrie - Z.I.
B.P. 37
68220 Hésingue Cedex
Tel.: 03 89 67 65 70
Fax: 03 89 69 27 96
E-Mail: info@multi-contact-france.fr

Multi-Contact Essen GmbH
Hövelstrasse 214
Postfach 12 01 64
45311 Essen
Tel.: (0201) 8 31 05-0
Fax: (0201) 8 31 05-99
E-Mail: mce@multi-contact.com





Examples for Blister Packs

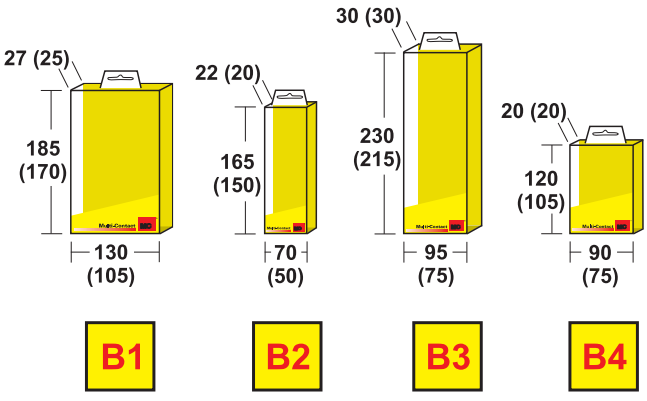


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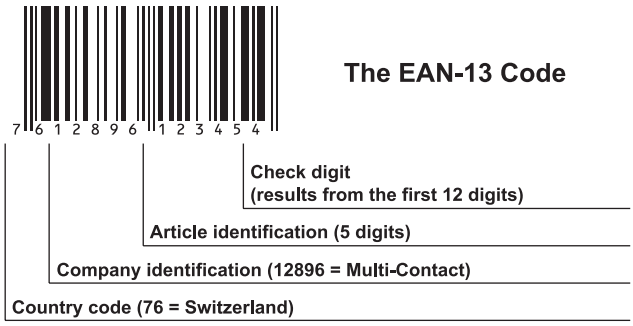
Dimensions of the Blister Packs

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.

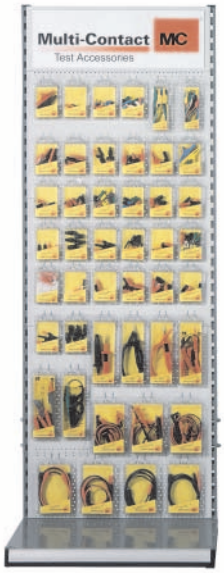
The Bar Code on our Blister Packs



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.

Perforated Panel Stands EZ-100

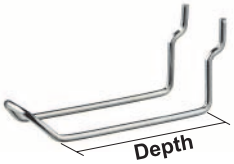


Perforated Panel Stands for clearly visible, ready-at-hand presentation of products in self-service sales rooms.

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**

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 mm^2, 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



CE cUL

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

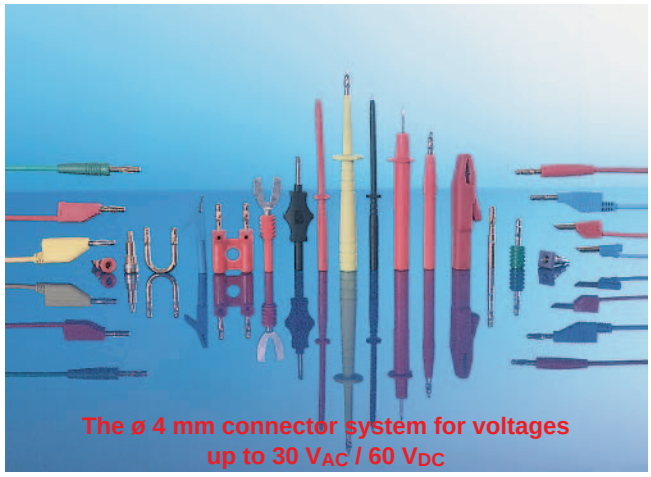
B4



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



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

B1



Test lead set, consisting of:

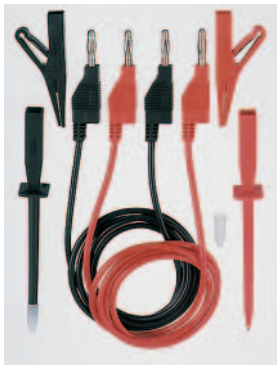
- ø 4 mm test leads, PVC insulated, 150 cm, 2.5 mm^2, max. 32 A
- Push-on test probes, stainless steel, rigid
- Push-on test clips

Rated voltage	30 V_{AC} / 60 V_{DC}
Order No.	**99.00182**

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

Silicone

B1



Test lead set, consisting of:

- ø 4 mm test leads, Silicone insulated, 100 cm, 0.75 mm^2, 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

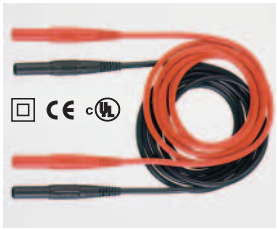


In Conformity with Standards and Safe.



ø 4 mm Safety Test Leads (2 pcs. red / black) — E4S-010

B1

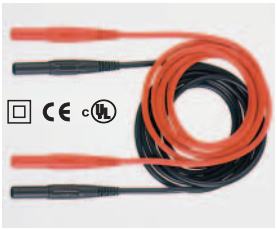


Highly flexible safety test leads. ø 4 mm inline safety plug at each end.

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm² / PVC / 150 cm
Order No.	**99.00011**

ø 4 mm Safety Test Leads (2 pcs. red / black) — E4S-020

B1



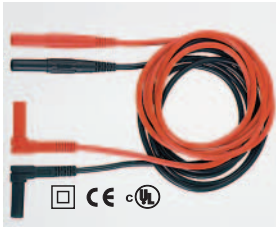
Silicone

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 mm² / Silicone / 150 cm
Order No.	**99.00014**

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 mm² / PVC / 150 cm
Order No.	**99.00017**

ø 4 mm Safety Test Leads (2 pcs. red / black) — E4S-040

B1



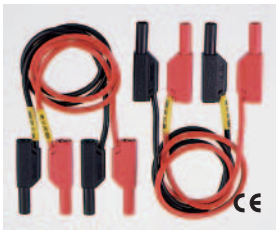
Silicone

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 mm² / Silicone / 150 cm
Order No.	**99.00020**

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

E4S-050 B1



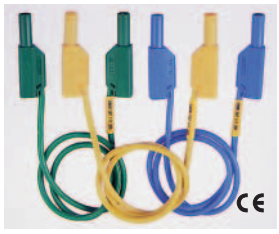
50 cm

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 mm² / PVC / 50 cm
Order No.	**99.00023**

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

E4S-060 B2



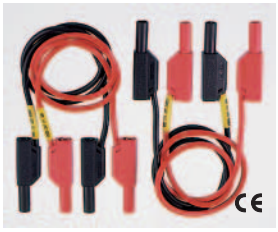
50 cm

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 mm² / PVC / 50 cm
Order No.	**99.00026**

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

E4S-070 B1



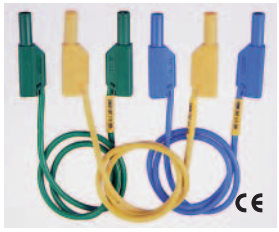
100 cm

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 mm² / PVC / 100 cm
Order No.	**99.00029**

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

E4S-080 B1



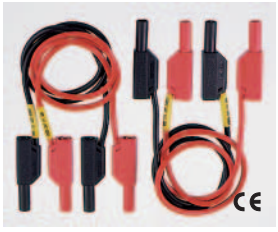
100 cm

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 mm² / PVC / 100 cm
Order No.	**99.00032**

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

E4S-090 B1



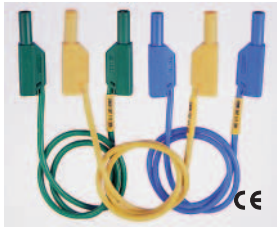
200 cm

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 mm² / PVC / 200 cm
Order No.	**99.00035**

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

E4S-100 B1



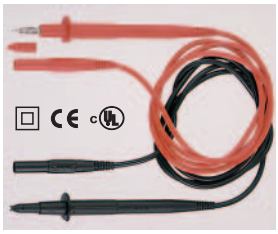
200 cm

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 mm² / PVC / 200 cm
Order No.	**99.00038**

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

B1



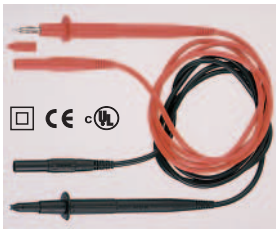
Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam®, other end ø 4 mm inline safety plug. With protective caps for test connection to IC's (leg spacing 2.54 mm).

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm² / PVC / 100 cm
Order No.	**99.00041**

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

B1

Silicone

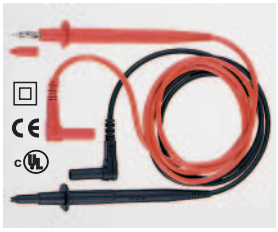


Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam®, other end ø 4 mm inline safety plug. With protective caps for test connection to IC's (leg spacing 2.54 mm).

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm² / Silicone / 100 cm
Order No.	**99.00044**

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

B1



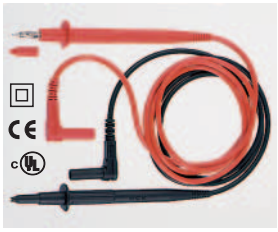
Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam®, other end right-angled ø 4 mm safety plug. With protective caps for test connection to IC's (leg spacing 2.54 mm).

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm² / PVC / 100 cm
Order No.	**99.00047**

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

B1

Silicone



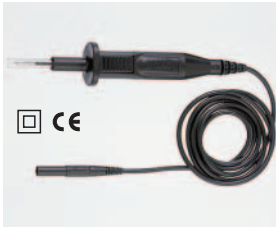
Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam®, other end right-angled ø 4 mm safety plug. With protective caps for test connection to IC's (leg spacing 2.54 mm).

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm² / Silicone / 100 cm
Order No.	**99.00050**

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

B3

IP2X



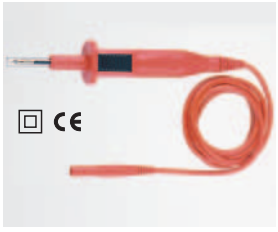
Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam®, other end ø 4 mm inline safety plug. The insulating sleeve over the probe tip can be pushed back at the press of a button.

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm² / PVC / 150 cm
Order No.	**99.00053**

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

B3

IP2X

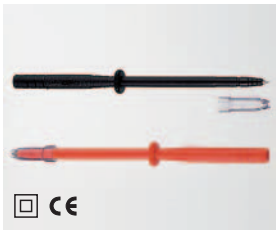


Highly flexible safety test leads. One end ø 4 mm safety test probe with spring Multilam®, other end ø 4 mm inline safety plug. The insulating sleeve over the probe tip can be pushed back at the press of a button.

Rated voltage / current	1000 V, CAT III / 19 A
Lead cross-section / insulation / length	1.0 mm² / PVC / 150 cm
Order No.	**99.00056**

ø 4 mm Safety Test Probes (2 pcs. red / black) E4S-170

B2

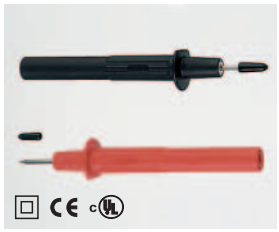


Slim, tapered rigid stainless steel probe with ø 4 mm safety socket to fit on all spring-loaded ø 4 mm plugs. Protective caps for non -slip contact with individual IC legs (spacing 2.54 mm) are supplied with the probes.

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-180

B2

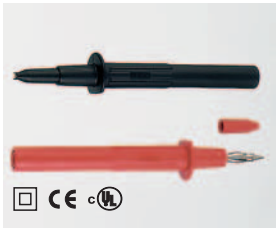


ø 2 mm stainless steel probe with ø 4 mm safety socket in handling part to fit on all spring-loaded ø 4 mm plugs.

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-190

B2

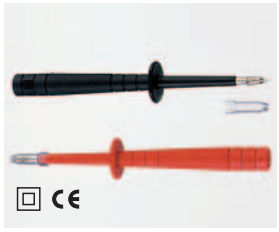


ø 4 mm test probes with spring Multilam®. ø 4 mm safety socket in handling part to fit on all spring -loaded ø 4 mm plugs. Protective caps for non-slip contact with individual IC legs (spacing 2.54 mm) are supplied with the probes.

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-200

B2



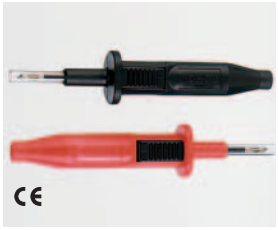
ø 4 mm test probes with spring Multilam®. ø 4 mm safety socket in handling part to fit on all spring -loaded ø 4 mm plugs. Protective caps for non-slip contact with individual IC legs (spacing 2.54 mm) are supplied with the probes.

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**

ø 4 mm Safety Test Probes (2 pcs. red / black) E4S-210

B3

IP2X

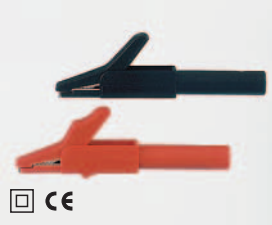


ø 4 mm test probes with spring Multilam®. The insulating sleeve over the probe tip can be pushed back at the press of a button. ø 4 mm safety socket in handling part to fit on all spring-loaded ø 4 mm plugs.

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**

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

B4

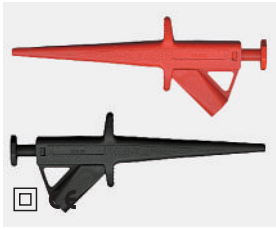


Small, slim safety test clips with all-round insulation. Toothed jaws for wide grip with surface for fine wire. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

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 Hook Clips (2 pcs. red / black) E4S-270

B2

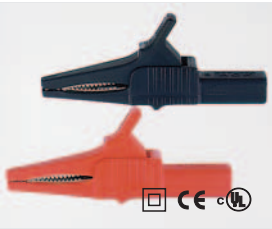


Safety test connectors with rigid hook clip for hooking onto wires. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

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

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

B4

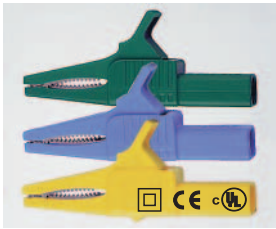


Safety test clips with all-round insulation. Toothed jaws for wide grip with surface for fine wire. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

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 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 (2 pcs. red / black) E4S-250

B4

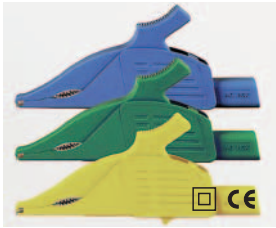


Safety dolphin clips with all-round insulation. Toothed jaws for wide grip with surface for fine wire. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

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 Dolphin Clips (3 pcs. blue / yellow / green) E4S-260

B4

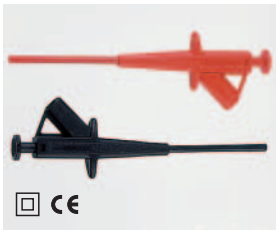


Safety dolphin clips with all-round insulation. Toothed jaws for wide grip with surface for fine wire. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

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

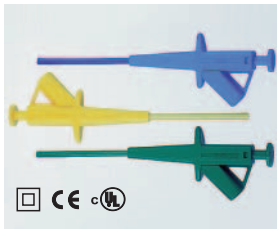


Safety test clip with spring-wire grabber in flexible, Silicone -insulated shank with very good heat resistance. Suitable for single-handed operation. ø 4 mm safety socket in handling part to fit on all spring-loaded ø 4 mm plugs.

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 Grabber Clips (3 pcs. blue / yellow / green) E4S-290

B1

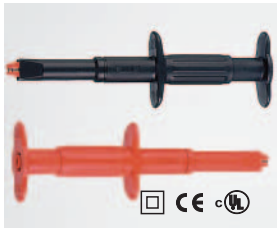


Safety test clip with spring-wire grabber in flexible, Silicone -insulated shank with very good heat resistance. Suitable for single-handed operation. ø 4 mm safety socket in handling part to fit on all spring-loaded ø 4 mm plugs.

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 (2 pcs. red / black) E4S-300

B2

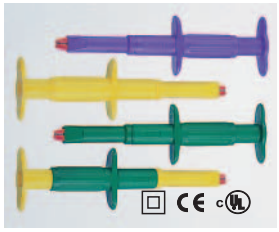


Safety test clip with strong jaws insulated on the outside. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

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 Jaw Clips (4 pcs. yellow / green / violet / green-yellow) E4S-310

B1

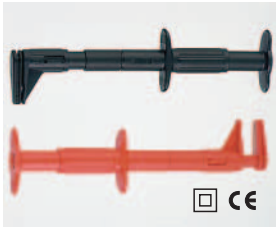


Safety test clip with strong jaws insulated on the outside. ø 4 mm safety socket in insulator to fit on all spring-loaded ø 4 mm plugs.

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 (2 pcs. red / black) E4S-320

B1

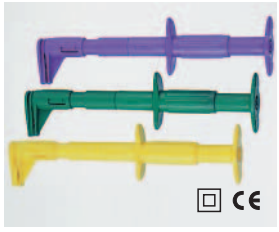


Safety flat test clip for making quick, sure contact in voltage measurements. With adjustable stop. Inline test connection via ø 4 mm safety socket to fit on all spring-loaded ø 4 mm plugs.

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 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



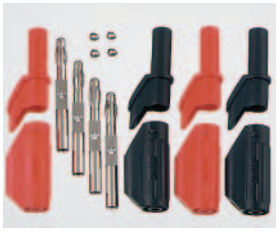
Solder connection

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 mm² / 3.9 mm
Order No.	**99.00110**

tackable 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 mm² / 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 mm² / 3.9 mm
Order No.	**99.00116**

Our Range of Multistrand Wires



Are you interested in our extensive range of highly flexible multi-strand wires with insulation of PVC, Silicone, TEP, Teflon® -FEP etc.?

Then order our **Catalogue Ho14 / Lilei !**

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

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

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 with Screw Connection (assortment, 12 pcs.) E4S-380

B4

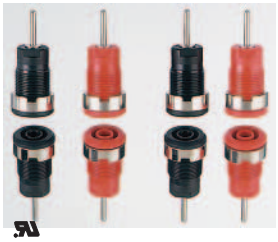


Touch-protected ø 4 mm safety screw-in sockets for mounting in holes drilled in panels or casings of plastic, metal etc.

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

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

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 with Screw Connection (4 pcs. red / black) E4S-400

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 (6 pcs. yellow / green / violet) E4S-410

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 (4 pcs. red / black) E4S-420

B4

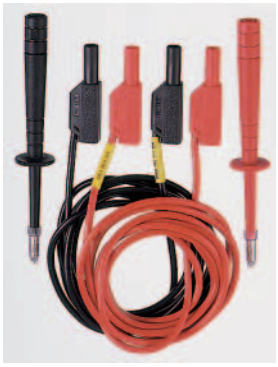


Touch-protected ø 4 mm safety screw-in sockets for mounting in holes drilled in panels or casings of plastic, metal etc.
Bridging function effected by insertion of a plug.

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

CE

Test lead set, consisting of:

- ø 4 mm safety test leads with stackable plugs, Silicone insulated, 200 cm, 2.5 mm^2, 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)

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 mm^2, 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 mm^2, 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

Rated voltage	1000 V, CAT II
Order No.	**99.00191**

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

B1

Silicone



Test lead set, consisting of:

- ø 4 mm safety test leads, Silicone insulated, 100 cm long, 1.0 mm^2, 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

B1

Silicone



Test lead set, consisting of:

- ø 4 mm safety test leads , Silicone insulated, 100 cm, 0.75 mm^2, 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

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

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

B1

Silicone



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 mm^2, 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 mm^2, 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

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 mm^2, 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)

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 mm^2, 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

Rated voltage	1000 V, CAT III
Order No.	**99.00212**

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

B4



BNC - ø4 mm

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

B4



BNC - ø4 mm

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

B4



BNC - BNC

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

B4



Solder connection

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

Bemessungs-spannung	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

B4



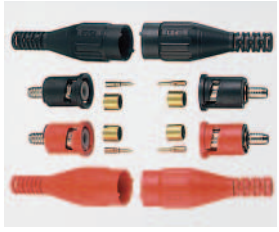
Printed circuit connection

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

B4

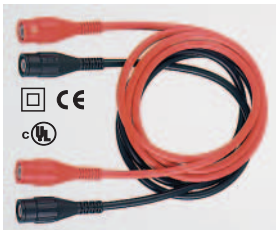


Fully insulated BNC plugs for connecting RG58 cables

Rated voltage	1000 V, CAT II
Order No.	**99.00152**

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

B1



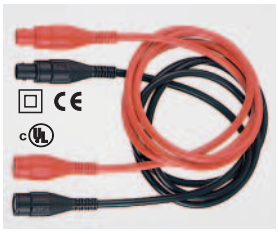
BNC - BNC

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 (2 pcs. red / black) EHF-175

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 BNC / ø 4 mm EHF-200

B1



BNC - ø4 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 BNC / ø 4 mm EHF-250

B1



BNC - ø4 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” (2-piece) ZHF-300



Demodulator

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)

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

Safety Probe Set “Electronics” (4-piece) ZHF-100

B3



10 : 1
450 MHz

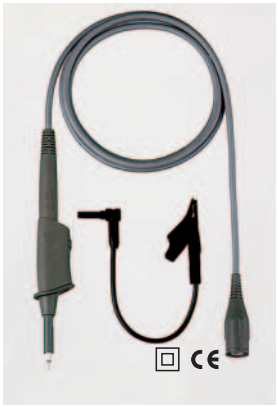
Probe set, comprising:

- 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 “Economy” (2-piece) ZHF-400

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**

Safety Probe Set “Electrical” (5-piece) ZHF-200

B3



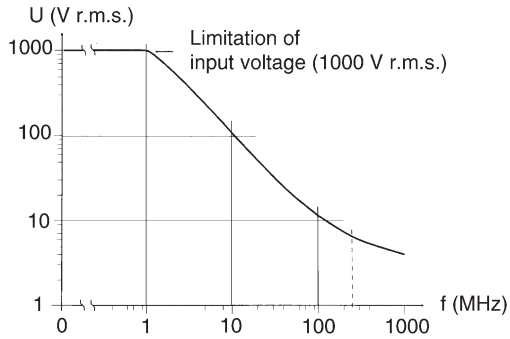
10 : 1
250 MHz

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**

Technical Information



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

Multi-Contact

MC®-Niederlassungen / MC®-Companies / Filiales MC®

World Headquarters:
Multi-Contact AG Basel
Stockbrunnenrain 8+12
CH – 4123 Allschwil 1
Tel. +41/61/306 55 55
Fax +41/61/306 55 56
mail *mailbox@multi-contact.com*
www.multi-contact.com

Multi-Contact Deutschland GmbH
Hegenheimer Strasse 19
Postfach 1606
D – 79551 Weil am Rhein
Tel. +49/76 21/6 67 - 0
Fax +49/76 21/6 67 - 100
mail *mailbox@multi-contact.de*

Multi-Contact Essen GmbH
Hövelstrasse 214
Postfach 120 164
D – 45311 Essen
Tel. +49/2 01/8 31 05 - 0
Fax +49/2 01/8 31 05 - 99
mail *mce@multi-contact.com*

Multi-Contact France S.A.S.
Siège social
4, rue de l'Industrie
B.P. 37
F – 68221 Hésingue Cedex
Tel. +33/3/89 67 65 70
Fax +33/3/89 69 27 96
mail *info@multi-contact-france.fr*

Austria: Multi-Contact
Handelsges.m.b.H. Austria
Hauptplatz 8
A – 3452 Heiligeneich
Tel. +43/2275/56 56
Fax +43/2275/56 56 4
mail *office@multi-contact.at*

Multi-Contact Benelux N.V./S.A.
Kortrijksesteenweg 90/D
B – 9830 Sint-Martens-Latem
Tel. +32/9/281 07 50
Fax +32/9/281 07 55
mail *info@mc-benelux.be*

Multi-Contact Italia S.r.l.
Via Vetreria, 1 "Como 90"
I – 22070 Grandate (CO)
Tel. +39/031/56 52 52
Fax +39/031/56 52 62
mail *info@multi-contact.it*

Multi-Contact (UK) Ltd.
3 Presley Way
Crownhill
Milton Keynes
GB – Buckinghamshire MK8 OES
Tel. +44/1908 26 55 44
Fax +44/1908 26 20 80
mail *sales@multi-contact.co.uk*
www.multi-contact.co.uk

Multi-Contact USA
U.S. Headquarters
5560 Skylane Boulevard
Santa Rosa, CA 95403-8244
Tel. +1/707/575 - 7575
Fax +1/707/575 - 7373
mail *mailbox@multi-contact-usa.com*
www.multi-contact-usa.com

Multi-Contact SEA
(South East Asia) Pte. Ltd.
9 Pioneer Road North #01-55
Singapore 628461
Tel. +65/626 609 00
Fax +65/626 610 66
mail *mailbox@multi-contact.com.sg*

Multi-Contact (Thailand) Co., Ltd.
160/71 Silom Road
ITF Silom Palace, 10th Floor
Bangrak
Bangkok 10500
Tel. +66/2/266 78 79; 268 08 04
Fax +66/2/267 76 80
mail *mailbox@multi-contact.co.th*

Vertretungen / Representatives / Représentations commerciales

Argentina
Idur S.A.
AR – 1642 San Isidro, Prov. de Bs. As.
Tel. +54/11/4723 8773
Fax +54/11/4723 8380
mail *idursa@ciudad.com.ar*

Australia/New Zealand
Edward Keller Australia Pty. Ltd.
Hallam Vic 3803
Tel. +61/3/9554 6666
Fax +61/3/9554 6677
mail *electrical@diethelmkeller.com.au*
www.diethelmkeller.com.au

Brazil
excl. Connectors for Automatic Systems
Criem Ltda.
BR – Belo Horizonte -MG-CEP-30 855-000
Tel. +55/313/388 6300; 388 6373
Fax +55/313/388 6513
mail *criemimports@task.com.br*
www.criemimports.com.br

Brazil
only Connectors for Automatic Systems
Intermachinery Comercio Ltda.
Nippert
BR – 04534-002 Sao Paolo - SP
Tel. +55/11/3167 7033
Fax +55/11/3161 6410
mail *luciomaradei@intermachinery.com.br*

Colombia/Venezuela
Erasmus Ltda.
Bogota / Colombia
Tel. +57/1/245 89 40; 340 07 12
Fax +57/1/340 09 25
mail *lac@neutel.com.co*

Cyprus
only Connectors for Renewable Energy
Enfoton Solar Ltd.
CY – 2033 Strovolos – Nicosia
Tel. +357/22/499 716
Fax +357/22/497 998
mail *lsoteriou@enfotonsolar.com*
www.enfotonsolar.com

Czech Republic/Slovakia
A.W.V. Elektro spol. s r.o.
merici a laboratorni technika
CZ – 397 01 Pisek
Tel. +420/382-212595; 213756
Fax +420/382-213756
mail *awv@awv.cz*
www.awv.cz

Denmark
Hin Horsens A/S
DK – 8700 Horsens
Tel. +45/7625 9090
Fax +45/7625 9091
mail *hin@hin.dk*

Finland
Multirel Oy
FIN – 02320 Espoo
Tel. +358/9/8190 630
Fax +358/9/8190 6321
mail *sales@multirel.fi*
www.multirel.fi

Greece
Nikolaos Ad. Stylas
GR – 50100 Kozani
Tel. +30/24610/30 328; 22 178
Fax +30/24610/30 008
mail *nstylas@otenet.gr*

Hungary
Mistral-Contact Bt.
H – 1184 Budapest
Tel. +36/1/297 57 24
Fax +36/1/297 57 25
mail *csombordi@vnet.hu*
www.mc.vnet.hu

Iran
Rasana-Mehr Co.
Tehran 15166 / Iran
Tel. +98/21/888 19 69; 877 60 90
Fax +98/21/879 66 59; 223 53 73
mail *rasana@neda.net*

Israel
Giveon Electronics Ltd.
Tel Aviv 67892
Tel. +972/3/561 21 71
Fax +972/3/561 21 73
mail *agiveon@012.net.il*

Japan
Solton Co. Ltd.
Yokohama 222
Tel. +81/45/471 77 11
Fax +81/45/471 77 17
mail *k-kurima@solton.co.jp*

Norway
excl. Test & Measurement
Murrelektronik A.S.
N – 3500 Hønefoss
Tel. +47/32 17 90 80
Fax +47/32 17 90 90
mail *post@murrelektronik.no*

Norway
only Test & Measurement
Per Wiik A/S
N – 1556 Son
Tel. +47/64/95 70 70
Fax +47/64/95 80 62
mail *pwiik@perwiik.no*
www.perwiik.no

Peru
Centel S.A.C.
Lima 1 / Peru
Tel. +51/1/423 62 53; 331 01 85
Fax +51/1/433 51 18
mail *centel@amauta.rcp.net.pe*

Poland
Semicon
PL – 04-761 Warszawa
Tel. +48/22/615 64 31
Fax +48/22/615 73 75
mail *info@semicon.com.pl*
www.semicon.com.pl

Portugal
Nova Zeta 3
P – 1169-092 Lisboa
Tel. +351/21/355 39 30
Fax +351/21/355 39 39
mail *info@novazeta3.pt*
www.novazeta3.pt

Romania
Arc Brasov Srl
RO – 2200 Brasov
Tel. +402/68/47 25 77 up to 81
Fax +402/68/41 97 49
mail *arc@arc.ro*

Russia
only Test & Measurement
AG Ecoinvent
RU – 103062 Moscow
Tel. +7/95/916 7113
Fax +7/95/916 7111
mail *sergeyt@education.ecoinvent.ru*

Serbia/Montenegro
Blazic Elektronik
YU – 11000 Beograd
Tel. +381/11/347 22 21; 347 33 36
Fax +381/11/347 15 98
mail *blazice@beotel.yu*
www.blazicelektronik.co.yu

Slovenia/Croatia
Belmet d.o.o.
SI – 1000 Ljubljana
Tel. +386/1/518 88 10
Fax +386/1/518 88 20
mail *peter.pristov@belmet.si*

South Africa
excl. Connectors for Automatic Systems, Test & Measurement
Mullinos Engeneering (Pty) Ltd.
T/a Contact Engeneering
1461 Bocksburg North RSA
Tel. +27/11/892 30 13
Fax +27/11/917 00 61
mail *mullinos@iafrica.com*

South Africa
only Connectors for Automatic Systems
Rubicon
Electrical Distributors
6061 Port Elizabeth RSA
Tel. +27/41/451 43 59
Fax +27/41/451 12 96
mail *rubicon.e@mweb.co.za*

South Africa
only Test & Measurement Connectors for Renewable Energy
Christensen Tools (Pty) Ltd.
2094 Jeppestown RSA
Tel. +27/11/618-3200
Fax +27/11/614-2821
mail *info@christensen.co.za*

South Korea
Solton Liaison Office
Samboe Trading Corporation
Seoul, Korea
Tel. +82/2/562 9970
Fax +82/2/554 2868
mail *maxpow@samboe.com*

Spain
Circutor S.A.
E – 08232 Viladecavalls
Tel. +34/93/745 29 00
Fax +34/93/745 29 14
mail *central@circutor.es*
www.circutor.com

Sweden
Elproman AB
S – 14171 Segeltorp
Tel. +46/8/97 00 70
Fax +46/8/646 31 48
mail *mail@elproman.se*
www.elproman.se

Blister - 1500 - 04/01 (englisch)
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