

### In accordance with BGI 891 and DIN EN 50191 VDE 0104

- External safety equipment for cable test vans and mobile test systems
- Safety package for cable test vans
- Discharge rods



# External safety equipment for cable test vans and mobile test systems

## The requirement




In keeping with the standard, mobile devices which produce hazardous contact voltages of > 65 V correspond to a test station, test facility or test ground or non-stationary test equipment and must meet the following technical features:

- **Signalling of the operating status and visible from afar in the vicinity of the test area**
- **Emergency stop button**

## The Megger solution

The external safety equipment can be used to prevent high voltage from being switched on via the key switch, and to switch off active high voltage via the emergency stop button. The current operating status is indicated by the two lamps (red/green).

**The equipment complies with the requirements of BGI 891 and DIN EN 50191 VDE 0104 ("Erection and operation of electrical test systems") and its update (2011 edition).**

| External safety equipment for cable test vans  | External safety equipment for mobile devices (with operating function)  | External safety equipment for mobile devices (without operating function)  |
|--|---|--|
|    |   |   |
| <p>The key switch can be used to prevent high voltage from being switched on and to switch off active high voltage using the emergency stop button. The operating status of the system is indicated by the two lamps (red/green).</p> <p><b>Suitable for:</b></p> <ul style="list-style-type: none"> <li>■ R 30</li> <li>■ Centrix</li> <li>■ Variant</li> <li>■ Compact City</li> <li>■ Classic NSF 7</li> <li>■ Classic NSF 10</li> <li>■ MFM 10 / HVB 10</li> </ul> | <p>External safety equipment and high voltage control unit in connection with devices and systems which support external safety remote intervention. In addition to the normal functionality, this enables HV operation of the connected system using the HV on and HV off switches.</p> <p><b>Suitable for:</b></p> <ul style="list-style-type: none"> <li>■ SPG 40</li> <li>■ VLF Sine 45 kV</li> <li>■ VLF Sine 62 kV</li> </ul> | <p>For monitoring devices without external safety remote intervention. It is looped directly into the 230 V power supply. The key switch can prevent the closed device from being switched on. The two lamps (red/green) indicate the availability of the mains supply.</p> <p><b>Suitable for:</b></p> <ul style="list-style-type: none"> <li>■ Any 230 V operated device. Max. operating current 16 A!</li> <li>■ TDS 40 / 60</li> </ul> |

## Ordering information

| Product description  | Usage   | Order no.              |
|--|---|------------------------|
| Safety equipment for cable test vans incl. 50 m cable drum (manual)* and wall bracket  | Centrix, Variant, R30, Compact City, Vario<br>Classic NSF 7, Classic NSF 10 | 893022711<br>128315056 |
| Safety equipment for cable test vans incl. 15 m connection line and wall bracket   | Centrix, Variant, R30, Compact City, Vario<br>Classic NSF 7, Classic NSF 10 | 2003803<br>2006702     |
| Safety equipment with operating function for individual devices incl. 5 m connection line and wall bracket                               | SPG 40, VLF Sinus 45, VLF Sinus 62,<br>TDM 45 Serien                        | 2006112                |
| Safety equipment without operating function for individual devices incl. 5 m connection line and wall bracket                            | SPG 40, VLF Sinus 45, VLF Sinus 62,<br>TDM 45 Serien                        | 2010001                |
| Safety equipment without operating function for individual devices with 2 x 3 m power cable<br><b>! NOT for battery-powered devices!</b> | Can be used with any 230 V device (max. operating current 16 A)             | 128309600              |
| <b>* motor-powered or belt tension-powered are also available on request!</b>  |   |                        |

Safety equipment for portable systems (e.g. Surgeflex, MFM 10, HVB 10) please request separately!

# Safety package for cable test vans

The safety package for cable test vans consists of the following components:

|   |   |
|---|---|
| <p><b>9 safety cones</b></p> <p>Retroreflective with a holder for barrier chain</p> <p>Height: 540 mm<br/>Stacking height: 50 mm / piece<br/>Base surface area: 310 mm<br/>Weight: 2.8 kg</p> <p><b>700100453</b></p>  | <p><b>6 Safety poles with 2 chains</b></p> <p>30 m, red-white</p> <p><b>601030075</b></p>  <p>90 cm, red-white</p>  <p><b>90025483</b></p> |
| <p><b>8 S-hooks</b></p> <p>For fastening the sign to the barrier chain</p> <p><b>601030078</b></p>   | <p><b>8 combination signs</b></p> <p>"Danger high voltage" with fastening hole</p> <p>250 x 200 mm</p> <p><b>301030173</b></p>   |
| <p><b>10 combination signs</b></p> <p>With company logo of customer and telephone number for service box</p> <p>300 x 215 mm</p> <p><b>301030182</b></p>   | <p><b>4 magnetic warning signs</b></p> <p>"Warning electrical test area Unauthorised access denied"</p> <p>300 x 200 mm</p> <p><b>301030178</b></p>    |
| <p><b>4 magnetic warning signs</b></p> <p>"Unauthorised access denied"</p> <p>185 x 131 mm<br/>BGV A8/P06,<br/>DIN 4844/P 006 with text</p> <p><b>301030172</b></p>    | <p><b>Cable bridge</b></p> <p>With handles, lightweight and robust</p> <p>900 x 70 cm<br/>Suitable for trucks up to max. 40t</p> <p><b>700100448</b></p>   |

## Ordering information

| Product  | Quantity     | Order no. |
|--|--------------|-----------|
| Basic safety package for cable test vans                                   | Set          | 900110175 |
| <b>Consists of</b>   | <b>Items</b> |           |
| Safety cone with snap hooks, 540 mm, retroreflective                       | 9            | 700100453 |
| Plastic barrier chain, 30 m, red-white, Ø = 6 mm                           | 2            | 601030075 |
| S-hooks, red   | 8            | 601030078 |
| "Danger high voltage" combination sign, 250 x 200 mm, yellow               | 8            | 301030173 |
| Combination sign with company logo and telephone number, 300 x 215 mm      | 10           | 301030182 |
| "Warning electrical test area" magnetic warning sign, 300 x 200 mm, yellow | 4            | 301030178 |
| "Unauthorised access denied" magnetic warning sign 185 x 131 mm            | 4            | 301030172 |
| Cable bridge 900 x 700mm   | 1            | 700100448 |
| Safety poles 900 mm  | 6            | 90025483  |

## Options

The following articles can also be ordered as a supplement to the safety package. They are a useful addition to the basic package.

| No. | Product  | Order no. |
|-----|--|-----------|
|     | <b>Optional accessories</b>  |           |
| 1   | Door locking device with cylinder and bag  | 700100449 |
| 2   | Safety helmet according to DIN EN 397  | 601030066 |
| 3   | Safety cone with flashing light, 750 mm, retroreflective   | 700100454 |
| 4   | Gloves made of insulating material in accordance with DIN VDE 0682 part 311 / DIN EN 60903 to 1000 V | 601030055 |
| 5   | Elastic insulation mat for insulation of standing areas, 3 mm thick, 1 x 1 m                         | 601030481 |
| 6   | Strap barrier for safety cone, 3.5 m, orange   | 90011440  |
| 7   | Transparent plastic cover, 650 x 2500 mm   | 601030495 |
| 8   | Protective shield against the effects of electric arcs according to DIN EN 166                       | 601030067 |
| 9   | DET14C - Earth resistance clamp  | 1000761   |



## Discharge rods

Discharge rods for gently discharging and earthing medium voltage cables.

| Product                             | Type    | kV  | Length | Weight  | R              | Order no. |
|-------------------------------------|---------|-----|--------|---------|----------------|-----------|
| Discharge rod 35 kV max. 6 $\mu$ F  | EST 35  | 35  | 50 cm  | 0.95 kg | 10 k $\Omega$  | 810300    |
| Discharge rod 50 kV max. 6 $\mu$ F  | EST 50  | 50  | 136 cm | 1.90 kg | 100 k $\Omega$ | 810003725 |
| Discharge rod 75 kV max. 3 $\mu$ F  | EST 75  | 80  | 156 cm | 2.20 kg | 150 k $\Omega$ | 810326    |
| Discharge rod 100 kV max. 2 $\mu$ F | EST 100 | 110 | 176 cm | 2.50 kg | 200 k $\Omega$ | 810327    |
| Discharge rod 150 kV max. 2 $\mu$ F | EST 150 | 150 | 208 cm | 2.85 kg | 300 k $\Omega$ | 810000059 |



Megger Germany GmbH · Dr.-Herbert-lann-Str. 6 · D-96148 Baunach  
 Tel. +49 (9544) - 680 · Fax +49 (9544) - 2273  
 team.international@megger.com

[www.megger.com](http://www.megger.com)

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