



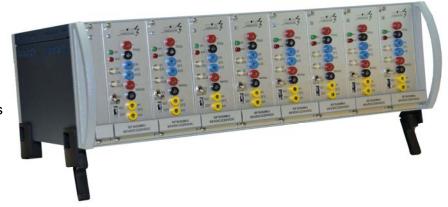
SFS/SIMU Test box for fault protection SIMUlation

Type designation:

SFS/SIMU

Test box for fault protection SIMUlation for circuit breakers and disconnectors for checking:

- Field interlocks
- System internal interlocks
- Transformer interlocking interlocks



Function

- Simulation of control panels (one control panel per card)
- Comprehensive verification of all interlocking conditions
 - Field interlocks
 - Internal interlocks
 - Transformer interlocking interlocks
- Checking the systems without affecting the system condition

Controls and displays

- S1 button, ON for switching error protection ON
- S2 button OFF for switching error protection OFF
- S3 toggle switch for malfunction, for switching error protection deactivated = both LEDs off
- Selector switch (sliding switch) to select the control voltage (60V DC or 220V DC)
- LED, green ON for switching error protection ON, red OFF for switching error protection OFF

Electrical characteristics

- Control voltage 60V DC or 220V DC
- SFS EIN/AUS (blue bushes): External control switching error protection (same voltage as control voltage)
- SFS ON/OFF (yellow bushes): Output of the switching error protection state (medium voltage)
- Signal voltage (SFS on/off (= yellow bushes))

max. Switching current AC1: 250V, 7A

max. Switching current DC1: 30 / 110 / 220V, 7 / 0,25 / 0,12A

EMC-values: UNITRO-Standard in accordance with EN 61000

Mechanical characteristics

- 19" Table-Rack 3U, 84M, 244mm for max. 8 SFS/SIMU plug-in cards
- Mounting bushes ø 4mm

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Technical data:

- Type of construction:
 19" Plug-in cards in Eurocard format
 19" Table-Rack 3U, 84M, 244mm
- 2. <u>Degree of protection:</u> Front IP50
- Weight: Plug-in card approx 400g Rack fully equipped approx. 7 kg
- 4. <u>Climatic conditions:</u> in accordance with UNITRO-Standard
- 5. <u>Connection:</u>
 Mounting bushes ø 4mm
- Function buttons:
 S1 button, ON for switching error protection ON
 S2 button OFF for switching error protection OFF
 S3 toggle switch for malfunction, for switching error protection deactivated = both LEDs off
 Selector switch (sliding switch) to select the control voltage (60V DC or 220V DC)
- 7. Control voltage: 60V DC 220V DC
- 8. <u>Signal voltage (yellow bushes):</u>
 Switching current AC1: 250V, 7A
 Switching current DC1: 30/110/220V, 7/0,25/0,12A

9. <u>Function:</u> Test box for fault protection SIMUlation:

Comprehensive verification of all interlocking conditions

- Field interlocks
- Internal interlocks
- Transformer Interlocking Interlocks Checking the systems without affecting the system condition
- LED-display:
 LED green: ON =
 witching error protection ON
 LED red: OFF=
 switching error protection OFF
 Fault position (S3) = both LEDs OFF
- Output contacts:
 2x yellow bushes ø 4mm, to output the switching protection state
- 12. <u>Leakage distances and clearances:</u> in accordance with UNITRO-Standard
- 13. EMC, immunity of interference: UNITRO-Standard, in accordance with EN 61000