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STÖRMELDESISTEME

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 \varnothing 4mm



Technical data:

1. Type of construction:
19" Plug-in cards in Eurocard format
19" Table-Rack 3U, 84M, 244mm
2. Degree of protection:
Front IP50
3. Weight:
Plug-in card approx 400g
Rack fully equipped approx. 7 kg
4. Climatic conditions:
in accordance with UNITRO-Standard
5. Connection:
Mounting bushes \varnothing 4mm
6. 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. Signal voltage (yellow bushes):
Switching current AC1: 250V, 7A
Switching current DC1: 30/110/220V, 7/0,25/0,12A
9. Function:
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
10. LED-display:
LED green: ON =
switching error protection ON
LED red: OFF=
switching error protection OFF
Fault position (S3) = both LEDs OFF
11. Output contacts:
2x yellow bushes \varnothing 4mm, to output the switching protection state
12. Leakage distances and clearances:
in accordance with UNITRO-Standard
13. EMC, immunity of interference:
UNITRO-Standard,
in accordance with EN 61000