

The VOIS-R is an integrated Voltage Detecting Systems VDIS for checking for absence of voltage in medium voltage switchgear according to IEC 62271-213:2021 (or IEC 61243-5) with integrated three-phase continuous indication as well as a signalling contact.



Properties

Voltage indication system for medium voltage (VDIS)

Integrated three-phase voltage indication system for medium voltage switchgear acc. IEC 61243-5 and IEC 62271-213

Relay output

changeover contact for status indication

No battery required

Voltage indication without battery or auxiliary voltage

Integrated three-phase measuring point

The device has a three-phase LR measuring point for phase comparison, rotating field direction measurement, etc.

Convenient alternative

to plug-in voltage indicators.

Technical Data

Device data

| | |
|-------------------------|--|
| Article number | 2502063_H014 |
| Quantity unit | Piece |
| Product designation | Integrated Voltage Detecting Systems VOIS R+ with relay contact C2m = 10 000 pF, control line pluggable, no ground wire |
| Required data for order | Primary capacitance C1 of the coupling electrode Rated voltage UN |

Configuration

| | |
|---|-----------|
| Switching capacity C2m | 10,000 pF |
| System connector (ankled) | ✓ |
| Control line (Relay output, auxiliary voltage) included | Included |
| Earthing wire included | - |

Functionalities

| | |
|---------------------|----------|
| Voltage test | ✓ |
| Response time relay | Max. 1 s |

Dimensions

| | |
|-----------------------------|-----------------|
| Case height x width x depth | 48 x 96 x 37 mm |
| Cutout height x width | 45 x 45 mm |
| Norm cutout dimensions | DIN 43700 |
| Installation type | Panel mounting |

Operating conditions

| | |
|-----------------------|---------------------------|
| Operating temperature | -25°C ... 55°C |
| Storage temperature | -30°C ... 80°C |
| Protection class | IP54 |
| Voltage level | 1..52 kV (Medium-voltage) |
| Rated frequency | 50 Hz, 60 Hz |
| Type of interface | LRM |

Signaling outputs

| | |
|---------------------------------|--|
| Connection of connecting cables | 4.8 x 0.8 mm flat receptacles or system connectors |
| Signal outputs | 1 |
| Technical data signal output 1 | 1 changeover contact, voltage present / absence of voltage |

Voltage supply

| | |
|------------------------|---------------------|
| Auxiliary power supply | 24 .. 230 VAC/DC |
| Power consumption | 1 W |
| Battery | No battery required |

Accessories

| Article number | Product designation |
|----------------|---|
| 2500828_S999 | Cable set Custom-made for specific switchgear On request 0,5 - 40 m |
| 3500939 | Connector strip- 8-pole for CAPDIS-S2x |

