VOIS R+

Integrated Voltage Detecting Systems VDIS with signal contact

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_H024
Quantity unit	Piece
Product designation	Integrated Voltage Detecting Systems VOIS R+ with relay contact C2m = 3300 pF | Connector | With ground wire
Required data for order	Primary capacitance C1 of the coupling electrode Rated voltage UN

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Configuration

Switching capacity C2m	3,300 pF
System connector (ankled)	✓
Control line (Relay output, auxiliary voltage) included	Only connector 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

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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

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