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_H007
Quantity unit	Piece
Product designation	Integrated Voltage Detecting Systems VOIS R+ with relay contact C2m = 680 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	680 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

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