

The VOIS+ 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.



Properties

Voltage Detecting Systems for Medium Voltage (VDIS)

Integrated three-phase Voltage Detecting Systems for medium voltage switchgear according to IEC 61243-5 and IEC 62271-213

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.

Favorable alternative

to plug-in voltage indicators.

System connector

To easily connect a three phase cable set for the sensors

Variants

Item number	Description
2502062	Integrated Voltage Detecting Systems VOIS+ with system connector
2502062_H001	Integrated Voltage Detecting Systems VOIS+ C2m = 680 pF System connector without ground wire
2502062_H002	Integrated Voltage Detecting Systems VOIS+ 2m = 1 000 pF System connector without ground wire
2502062_H003	Integrated Voltage Detecting Systems VOIS+ C2m = 2 200pF System connector without ground wire
2502062_H004	Integrated Voltage Detecting Systems VOIS+ C2m = 3 300 pF System connector without ground wire
2502062_H005	Integrated Voltage Detecting Systems VOIS+

Item number	Description
	2m = 6 800 pF System connector without ground wire
2502062_H006	Integrated Voltage Detecting Systems VOIS+ C2m = 100 pF System connector without ground wire
2502062_H007	Integrated Voltage Detecting Systems VOIS+ C2m = 330 pF System connector without ground wire
2502062_H010	Integrated Voltage Detecting Systems VOIS+ C2m = 1 500 pF System connector without ground wire
2502062_H013	Integrated Voltage Detecting Systems VOIS+ C2m = 4 700 pF System connector without ground wire
2502062_H015	Integrated Voltage Detecting Systems VOIS+ 2m = 10 000 pF System connector without ground wire
2502062_H016	Integrated Voltage Detecting Systems VOIS+ C2m = 15 000 pF System connector without ground wire
2502062_H017	Integrated Voltage Detecting Systems VOIS+ C2m = 22 000 pF System connector without ground wire
2502062_H018	Integrated Voltage Detecting Systems VOIS+ C2m = 33 000 pF System connector without ground wire
2502062_H019	Integrated Voltage Detecting Systems VOIS+ C2m = 47 000pF System connector without ground wire
2502062_H020	Integrated Voltage Detecting Systems VOIS+ C2m = 68 000 pF System connector without ground wire
2502062_H021	Integrated Voltage Detecting Systems VOIS+ C2m = 150 000 pF System connector without ground wire
2502062_H022	Integrated Voltage Detecting Systems VOIS+ C2m = 470 pF System connector without ground wire
2502165_H001	Integrated Voltage Detecting Systems VOIS+ C2m = 680 pF with earthing wire
2502165_H002	Integrated Voltage Detecting Systems VOIS+ C2m = 1000 pF with earthing wire
2502165_H003	Integrated Voltage Detecting Systems VOIS+ C2m = 2200 pF with earthing wire
2502165_H004	Integrated Voltage Detecting Systems VOIS+ C2m = 3.300 pF with earthing wire
2502165_H005	Integrated Voltage Detecting Systems VOIS+ C2m = 6800 pF with earthing wire
2502165_H006	Integrated Voltage Detecting Systems VOIS+ C2m = 100 pF with earthing wire
2502165_H007	Integrated Voltage Detecting Systems VOIS+ C2m = 330 pF with earthing wire
2502165_H008	Integrated Voltage Detecting Systems VOIS+ C2m = 1500 pF with earthing wire
2502165_H009	Integrated Voltage Detecting Systems VOIS+

Item number	Description
	C2m = 4700 pF with earthing wire
2502165_H010	Integrated Voltage Detecting Systems VOIS+ C2m = 10 000 pF with earthing wire
2502165_H011	Integrated Voltage Detecting Systems VOIS+ C2m = 5 000 pF with earthing wire
2502165_H012	Integrated Voltage Detecting Systems VOIS+ C2m = 22 000 pF with earthing wire
2502165_H013	Integrated Voltage Detecting Systems VOIS+ C2m = 33 000 pF with earthing wire
2502165_H014	Integrated Voltage Detecting Systems VOIS+ C2m = 7 000 pF with earthing wire
2502165_H015	Integrated Voltage Detecting Systems VOIS+ C2m = 68 000 pF with earthing wire
2502165_H016	Integrated Voltage Detecting Systems VOIS+ C2m = 150 000 pF with earthing wire
2502165_H017	Integrated Voltage Detecting Systems VOIS+ C2m = 470 pF with earthing wire

Technical Data

Device data

Article number	2502062
Quantity unit	Piece
Product designation	Integrated Voltage Detecting Systems VOIS+ with system connector
Standard	IEC 61243-5, IEC 62271-213
Required data for order	Primary capacitance C1 of the coupling electrode Rated voltage UN

Configuration

Switching capacity C2m	Without C2m
System connector (ankled)	✓
Earthing wire included	-

Functionalities

Voltage test	✓
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Dimensions

Case height x width x depth	48 x 96 x 37 mm
Cutout height x width	45 x 92 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

Voltage supply

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