

CAPDIS_top für IKI-23

Retrofittable Voltage Detecting Systems VDIS for IKI-23

The **CAPDIS_top** is an integrated Voltage Detecting Systems for checking for absence of voltage in medium-voltage switchgear in accordance with IEC 62271-213:2021 (or IEC 61243-5) with integrated three-phase continuous indication. It can be plugged onto the IKI-23 fault indicator.



Properties

Retrofittable voltage testing system for IKI-23

CAPDIS_top is combined with the IKI-23 and thus converts the device into a fault indicator including voltage testing system. The CAPDIS-top is permanently placed on the capacitive measuring point.

Saving space

Both basic functions fault detection and voltage testing find space in a housing for standard cutout 45 x 92 mm.

Compliant with standards

CAPDIS_top is a complete voltage testing system according to DIN EN 61243-5 or VDE 61243-415

No battery required

Voltage testing as well as self-test without battery or auxiliary voltage.

Maintenance-free due to self-monitoring

No periodic retesting required according to VDE 0682-T 415 and BGV A3, as the device permanently monitors the response threshold and indicates it with a three-stage voltage level display (half, full and outlined flash arrow).

Complete insulation monitoring of the capacitive divider

Complete primary-side and secondary-side monitoring and display of the insulation status of the capacitive voltage divider.

Integrated self-test function

No external test device is required to test for voltage-free condition. Integrated function test by means of test button, in accordance with patent DE 103 04 396.



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Technical Data

General data

Article number	2502268
Product designation	CAPDIS_top, capacitive Voltage Detecting Systems attachable to IKI-23
Standard	IEC 61243-5, IEC 62271-213

Functions

Intrinsic safety	Device is intrinsically safe
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Display and HMI interfaces

Voltage test	✓
Front display	LC-Display
Controls	Self-test button

Dimensions and type of installation

Case height x width x depth	50 x 55 x 16 mm
Cutout height x width	45 x 92 mm
Norm cutout dimensions	DIN IEC 61554:2002-08
Installation type	Pluggable

Environmental conditions

Operating temperature	-25°C ... 55°C
Storage temperature	-30°C ... 75°C
Protection class	IP54
Voltage level	1..52 kV (Medium-voltage)
Rated frequency	50 Hz, 60 Hz
Type of interface	LRM
Lifetime	Minimum 31 years (MTBF)

Voltage supply

Power supply	No auxiliary power supply needed
Battery	No battery required