SIEMENS

MEDIUM VOLTAGE PRODUCTS

SICAM VDIS, SICAM VDIS Pro – voltage detecting indicating system

Detects and indicates operating voltage statuses in medium voltage cable grids

Application

SICAM VDIS, SICAM VDIS Pro are 3-phase voltage detecting and indicating devices which are used to detect and indicate the presence or absence of operating voltage in medium-voltage distribution system. They comply with the standard IEC 62271-213 for voltage detection and indication systems. SICAM VDIS, SICAM VDIS Pro are used as a low resistance modified (LRM) interface by connecting the short-circuit indicator for voltage measurement.

SICAM VDIS	SICAM VDIS Pro
LCD Screen	LCD Screen
	3 LEDs
	2 Relays
	Auxiliary power supply

Product features

- Designed according to IEC 62271-213
- Wide range of voltage from 3.3 kV to 40.5 kV with optional variable capacitance module
- No internal battery or external power supply required for voltage detection and indication
- Tool-free mounting in prepared cut-outs for medium voltage panels
- Ready to connect with short circuit indicators like SICAM FCM, etc.
- Integrated testing points to verify the functionality and accuracy of the system, display test function without any auxiliary power
- SICAM VDIS Pro: 2 LEDs and 2 relay contacts for local and remote monitoring of voltage statuses,
  1 LED for auxiliary power status,
  wide auxiliary input range (AC/DC 24-230 V)

Your Benefits with SICAM VDIS, SICAM VDIS Pro

- Safety: SICAM VDIS, SICAM VDIS Pro detect voltages from 3.3 kV, is an important part of the precautionary measures in the operation of medium-voltage switchgear and ensures the safety of operating personnel
- Regulations: SICAM VDIS, SICAM VDIS Pro ensure compliance with safety regulations and standards
- Time saving: SICAM VDIS, SICAM VDIS Pro help save time by quickly identifying whether or not a particular circuit or equipment is energized, eliminating the need for time-consuming manual checks
- Ready for retrofitting: SICAM VDIS, SICAM VDIS Pro can be easily integrated into existing medium voltage switchgear units and require minimum space for installation
- Maintenance: SICAM VDIS, SICAM VDIS Pro are maintenance free as is supports integrated maintenance test

Device characteristics

SICAM VDIS, SICAM VDIS Pro detect and indicate voltage presence/ voltage absence/ overvoltage in MV cable grids from 3.3. kV to 40.5 kV,
50 Hz/60 Hz grids, ± 5% tolerance

Input

- Bushing connection X1: Cable connection from RMU panel bushing to the device
- Connecting cable (L1, L2, L3, E) LRM interface cable for connecting a short-circuit indicator

Signalization

- 1 LED green – auxiliary power indication (SICAM VDIS Pro)
- 1 LED green – voltage absence status indication (SICAM VDIS Pro)
- 1 LED red – voltage presence status indication (SICAM VDIS Pro)
- 1 LCD Screen

Digital output (SICAM VDIS Pro)

- 2 digital outputs for remote status indication

Auxiliary voltage (SICAM VDIS pro)

- DC 24 V to 250 V (-20 % to 10 %)
- AC 110 V to 240 V (-20 % to 10 %)

Temperature range

- Operating temperature from -40 °C to +75 °C (at temperatures < -25 °C, the display becomes sluggish, and the readability may be impaired)

Housing

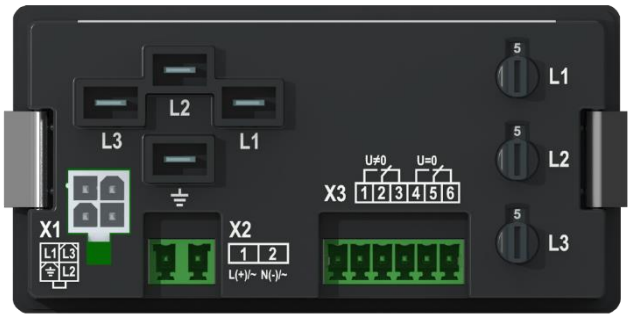
- Polycarbonate housing for panel flush mounting
- Overall dimensions: 98.22 x 48.2 x 48.4 mm (W / H / D)
  Cut-out dimensions: 92+0.8 x 45+0.6 mm (W / H)

Protection class

- Device front IP54
- Device rear IP20

SICAM VDIS
(Fixed capacitance)

SICAM VDIS Pro
(Variable capacitance)



SICAM VDIS
(Variable capacitance)

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