

CAPDIS-S1+

Integrated capacitive
voltage detecting system



Voltage detecting system (VDS) for high voltage

Detection of voltage condition in high voltage equipment according to IEC61243-5. Integrated continuous three phase voltage indication.

No battery required

For voltage detecting and self test no external power supply or battery is required.

Completely free of maintenance

The device performs a permanent online insulation measuring.

Inherent safety

The CAPDIS-S1+ includes a self test which offers inherent safety, no external test device is required.

Optional broken signal lead detection.

Integrated 3-phase test point

Acc. to the LR-specification in IEC 61243-5.

The test point can be used for phase comparison and phase sequence test.

Integrated U0-interface

For easy installation of earth-fault direction relay IKI-EDI-W or partial discharge monitoring.



CAP-LINE




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Function and technical data CAPDIS-S1+

Applied standard: IEC 61243-5
(voltage detecting system)

Indication per phase:

<p>$U < 10\%$ of U_N no voltage</p> <ul style="list-style-type: none"> • no indication 	<p>10% of $U_N \leq U \leq 45\%$ of U_N voltage present</p> <ul style="list-style-type: none"> • half arrow  	<p>internal test passed nominal voltage is present maintenance test passed</p> <p>→ full arrow </p>	<p>pressed test button display function test</p> <p>→ framed full arrow </p>
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Test button function: - test passed → **framed full arrow**
- fault: signal lead broken → **ERROR**

Housing: front panel mounting, plastics

Dimensions: h x w x d = 48 x 96 x 37 mm

Recommended cut: h x w = 45 x 92 mm

Operating temperature: - 25°C to +55°C

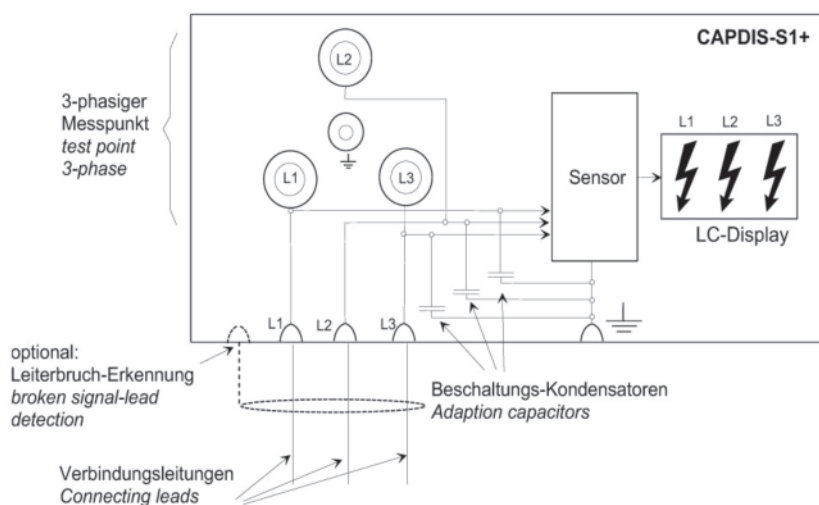
Storage temperature: - 30°C to +70°C

Protection class: IP 54

Connectors for signal leads: fast-on receptacles 4.8 x 0.8 mm

Required data for order: rated voltage U_N ,
capacitance of coupling electrode C1

Part number: 2500745 (CAPDIS-S1+ without signal lead test)
2500752 (CAPDIS-S1+ with signal lead test)



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