

## Voltage detecting system (VDS) for medium voltage

Detection of voltage condition in medium voltage switchgears according to IEC 62271-213. 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 KVDS includes a self test which offers inherent safety, no external test device is required.



## Function and technical data

Applied standard: IEC 62271-213(VDS)

### Indication per phase:

$U < 10\%$ of $U_N$	$10\%$ of $U_N \leq U \leq 45\%$ of $U_N$	$U > 45\%$ von $U_N$ Internal test passed	pressed test button
→ no voltage	→ voltage present	→ nominal voltage is present → maintenance test passed	→ display function test
○ no indication	○ half arrow	○ full arrow	○ framed full arrow, flashes briefly

### Test button function:

Housing:

Dimensions (w x h x d):

Standard cut-out (w x h):

Operating temperature:

Storage temperature:

Protection class:

Connectors for signal leads:

### Required data for order:

Artikel-Nr.:

self test no external power supply or battery is required

front panel mounting, plastics

144 x 48 x 64 mm

139 x 45,5 mm

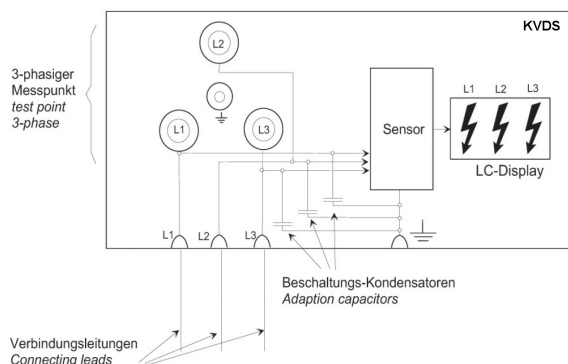
- 25°C to +55°C

- 30°C to +70°C

IP 54

fast-on receptacles 4.8 x 0.8 mm

- ⇒ rated voltage  $U_N$  und auxiliary voltage
- ⇒ capacitance of coupling electrode  $C_1$
- ⇒ capacitance against earth  $C_{2s}$  (e.g. for converters)
- ⇒ lead length: 3 m or 6 m
- ⇒ **2043796**



Subject to modification without prior notice.

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