



## Voltage detector for MV and HV installations - DTCIER type

SR EN 61243-1



**Code: MV installations: DTCIER 6-20 kV DTCIER/P 6-35 kV**  
**HV installations: DTCIER 110 kV DTCIER/P 110 kV DTCIER/P 220-400 kV**

The voltage detectors for indoor and outdoor MV and HV electrical installations can be used for a safe checking of the presence/absence of voltage.

The voltage detectors are permanently ready to perform the testing being in stand by stage. Before each use the detectors must be self-tested by pressing the test button. If the battery is charged and the electronic circuits are functioning normally, once pressing the test button, the detector will optically (red colour) and acoustically signalize. After releasing the test button, the acoustical signal stops, but the green LED of the detector will stay on, continuously, for around 2 minutes, confirming that the detector is ready to perform the checking the presence of voltage.

For performing the checking of the presence/absence of voltage, the detector should be attached to an appropriate insulating stick and should be brought in contact with the tested conductor. If the voltage is present, the red LEDs of detector will light up and acoustical warning signals will be released.

For usage in wet conditions, it is mandatory the use of an appropriate stick and spraying on the outer surface of the detector and the stick with a pellicle of silicone oil (delivered upon request).



OPTICAL SIGNALING



DTCIER 6-20 kV



DTCIER/P 6-35 kV

Type	DTCIER 6-20 kV	DTCIER/P 6-35 kV
Operational voltage (kV)	6 - 20	6 - 35
Temperature range - operation and storage (°C)	-25 ...+55	-25 ...+55
Temperature range - long-term storage (°C)	-10...+45	-10...+45
Power supply	Alkaline battery 9V, 6LR61 type	Alkaline battery 9V, 6LR61 type
Dimensions - without contact electrode (mm)	Ø 78 x 150	Ø 78 x 150
Dimensions - with contact electrode (mm)	Ø 78 x 225	Ø 78 x 225
Weight including battery (kg)	0,370	0,370
Operational in wet conditions	NO	YES



OPTICAL SIGNALING



DTCIER 110 kV



DTCIER/P 110 kV



DTCIER/P 220-400 kV

Type	DTCIER 110 kV	DTCIER/P 110 kV	DTCIER/P 220-400 kV
Operational voltage (kV)	110	110	220 - 400
Temperature range - operation and storage (°C)	-25 ...+55	-25 ...+55	-25 ...+55
Temperature range - long-term storage (°C)	-10...+45	-10...+45	-10...+45
Power supply	Alkaline battery 9V, 6LR61 type	Alkaline battery 9V, 6LR61 type	Alkaline battery 9V, 6LR61 type
Dimensions - without contact electrode (mm)	Ø 78 x 165	Ø 78 x 165	Ø 78 x 165
Dimensions - with contact electrode (mm)	Ø 78 x 380	Ø 78 x 380	Ø 78 x 380
Weight including battery (kg)	0,530	0,530	0,530
Operational in wet conditions	NO	YES	YES