



MEDIUM VOLTAGE INSTALLATIONS

Warning device for voltage presence with blocking system - DAPT/BA type

SR EN 61243-1

Code: DAPT/BA 6-35 kV

The DAPT/BA 6-35 device is designed to prevent the accidental access of personnel beyond the mobile protective fence of medium voltage indoor power installations prior to their electrical separation according to H.G. No. 1146/30.08.2006).

The device prevents the access of personnel in live cells, by blocking the access door and allows personnel access only in de-energised cells. In such circumstances, when pushing the "UNLOCK" button, the locking device is unlocked for 10-15 seconds, allowing it to be opened, but only by a special key in the possession of electricians (key for cabinets, panels and ceel doors). If the lock is not opened in this period, the locking device will become locked automatically avoiding the risk of the operator forgetting the lock open, thus preventing the accidental access in the cell in case of re-energosation. Also, when the cell door is closed, the locking device becomes locked automatically within a 10 to 15-seconds period. The device can be supplied independently or from an external source code SA-01A.



The DAPT/BA device 6-35 kV consists of a processing and control unit (PCU), locking device, special key (delivered only upon request), supply source SA-01 (delivered only upon request).

Technical characteristics

Rated operating voltage (kV)	6 ÷ 35
Intermittent signalling of voltage presence - optical signal (red light) (mCd)	min. 1.000
Intermittent signalling of voltage presence - acoustic signal (dB)	min. 67
Optical signalling in case of supply from an external source	green light, continuous
Optical signalling of the correct supply voltage level (battery condition)	yellow light, continuous
Optical signalling of the locking device of the cell access door	red LED = locked green LED = unlocked
Operating temperature range (°C)	-15...+45
Supply	Alkaline battery 9 V type 6LR61
Locking system	Automated, within 10 to 15 seconds from the enclosure of the door
Opening of the locking device (only in case of absence of voltage)	Manual, by means of a special key after unlocking, by pushing the UNLOCK button
Protection class	IP 20
Overall dimensions PCU 9mm) / locking device dimensions (mm)	195 x 72 x 28 / 238 x 85 x 51
Total weight (kg)	1,2

Supply source with accumulator (12 V) - SA-01A type

Code: SA-01A

SA-01A supply sources are designed for the supply of voltage to voltage presence warning devices type DAPT and DAPT/BA. The SA-01A source is provided with a buffer accumulator which provides the supply of devices in case of outages of the mains supply (220 V / 50 Hz).

The sources provide the following indications:

- indicate the presence of network voltage;
- provides optical indication of the correct level of the output voltage (more than 11 V).

Technical characteristics

Supply voltage	220 V ± 10%, 50 Hz
Output voltage in the presence / absence of network voltage (V. c.c.)	13 ÷ 15 / 11 ÷ 12
Output current (A)	max. 0,5
No. of DAPT devices 6-35 kV supplied from a source SA-01A	max. 21
Operating temperature range (°C)	-15...+45
Protection class provided by the housing	IP 20
Overall size (mm)	290 x 260 x 130
Weight (kg)	5,9

