ekorsys units: protection, telemanagement & communication

ekor.vpis – ekor.ivds – ekor.sas – ekor.spc
Voltage Presence Indication Units

Reliable innovation. Personal solutions.
**Technical Characteristics**

**ekor.vpis**
- Selfpowered, cubicle-integrated indicator that shows the presence of voltage in the phases through permanent light signals.
- Designed in accordance with standard IEC 61958.
- It has easily accessible test points for performing the phase balance test.
- Available in ultrasensitive version.

**ekor.ivds**
- Voltage presence / absence detector with permanent light signals and, optionally, free auxiliary contact for remote signalling of the corresponding indication.
- Designed in accordance with standards IEC 61243-5 and VDE 0682 Part 415.

**ekor.sas**
- Acoustic earthing prevention alarm unit. Selfpowered, it operates in association with the earthing switch shaft and the voltage presence indicator ekor.vpis.
- The alarm is activated when the earthing switch actuation shaft access lever is operated while there is voltage in the cubicle’s Medium Voltage incoming line. An acoustic alarm warns the operator that a short-circuit may be caused in the network if the operation is carried out, resulting in greater safety for individuals and equipment and the continuity of supply.

**Applicable standards**

<table>
<thead>
<tr>
<th>Product</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>ekor.vpis</td>
<td>IEC 61958</td>
</tr>
</tbody>
</table>
| ekor.ivds | IEC 61243  
           | VDE 0682 Parte 415  
           | IEC 61958  
           | IEC 60068-2-78  |
| ekor.sas | IEC 61958  |
| ekor.spc | IEC 61958  |

**ekor.spc technical characteristics**

**General**
- Frequency [Hz]: 50

**Indication**
- Maximum balance angle: 10°
- Maximum unbalance angle: 60°
- Maximum response time [s]: 1
- Minimum indication frequency [Hz]: 1

**Constructive design**
- Box IP rating: IP47
- Terminal IP rating: IP2X
- Weight [g]: 200
- Maximum distance to ekor.vpis [m]: 4

**Family**

**ekor.vpis**
- Voltage presence in phases indicator light

**ekor.ivds**
- Voltage presence or absence indicator light

**ekor.sas**
- Earthing prevention acoustic indicator

**ekor.spc**
- Phase comparator device