ekorsys units: protection, telemanagement & communication

ekor.gid
Smart distribution management unit

Reliable innovation. Personal solutions.
Applications

» Transformer or Switching Substations:

» Smart Grids: collect and process information from Low Voltage customer meters.

» Monitoring of the Low Voltage network: measure and management of the electric variables of Low Voltage consumption.

» Monitoring of the Medium Voltage network: measure and management of the

» Electric variables of Medium Voltage consumption, alarms from the Transformer Substation and faults.

» Automation of the Medium Voltage network.

It acts in association with the ekor.uct compact remote control unit or with the compact cubicle with cgmcosmos-2lpt (up to 24 kV) remote control equipment.

It enables a communication link between the Dispatching Centre and the corresponding elements for the monitoring and automation functions.

Preface

The smart distribution management unit includes the telemanagement, monitoring and automation of Low Voltage networks and the communication required for transformer substations.

» Factory-assembled and factory-tested unit.

» It allows the progressive installation of the elements required for each phase of the development of the transformer substation.

» It maintains insulation levels and protects the connections.

» Minimum space requirements.

» Maximum accessibility and ergonomics.

Technical Characteristics

General

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply [V&lt;sub&gt;ac&lt;/sub&gt;]</td>
<td>230</td>
</tr>
<tr>
<td>Insulation [kV]</td>
<td>10</td>
</tr>
<tr>
<td>Maximum consumption [W]</td>
<td>50</td>
</tr>
<tr>
<td>Frequency [Hz]</td>
<td>50</td>
</tr>
</tbody>
</table>

Mechanical design

Maximum dimensions

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>ekor.gid.i.s</td>
<td>900 x 500 x 170 [mm]</td>
</tr>
<tr>
<td>(basic)</td>
<td></td>
</tr>
<tr>
<td>ekor.gid.i.l</td>
<td>1150 x 500 x 170 [mm]</td>
</tr>
<tr>
<td>(standard)</td>
<td>(Height x Width x Depth)</td>
</tr>
</tbody>
</table>

Internal dimensions

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>ekor.gid.i.s</td>
<td>337 x 497 x 147 [mm]</td>
</tr>
<tr>
<td>(basic)</td>
<td>(Height x Width x Depth)</td>
</tr>
<tr>
<td>ekor.gid.i.l</td>
<td>487 x 497 x 147 [mm]</td>
</tr>
<tr>
<td>(standard)</td>
<td>(Alto x Height x Depth)</td>
</tr>
</tbody>
</table>

Peso (kg) 40*

IP rating according to UNE 20324 IP32D

(*) Weight of ekor.gid.i.s

Configurator

Cabinet sizes:

S - Basic size: never has power supply equipment
Automated substation
L - Standard size: always has power supply equipment
Telemanaged or supervised substation

Power supply:

a - Without power: power supplied from the ekor.uct or cgmcosmos-2lpt
A - With power supply equipment and batteries

LV supervision:

1BT - Monitoring of the Low Voltage network
(a single Medium/low Voltage transformer in the Substation)
2BT - Two Low Voltage network supervisions
(two Medium/Low Voltage transformers in the Substation)

MV supervision:

ø - Without monitoring of the Medium Voltage network
MT - With monitoring of the Medium Voltage network

Not all the combinations of this configurator are possible. Please ask our Technical-Commercial Department about availability of models.