Switchguard ELP 319 end position detector

Fail-safe detection of points

The Switchguard ELP 319 end position detector detects the end position of the following components:

• points with mid-blade locking
• high-speed points
• manually operated points
• spring return points
• mechanical locking units
• movable frogs and frog wing rails

Switchguard ELP 319 satisfies the following requirements:

• detection of open and closed point blades
• control of point opening
• control of the locking function
• indication of point trailing operations
• detection of gage narrowing

Switchguard ELP 319 interacts with all types of relay interlockings through to electronic interlockings.

Benefits

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<tbody>
<tr>
<td>Universally applicable</td>
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<tr>
<td>Versatile and flexible</td>
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<tr>
<td>Compact and cost-effective</td>
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<tr>
<td>Robust and protected</td>
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<tr>
<td>Virtually maintenance-free</td>
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Technical data

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Slide stroke</td>
<td>infinitely adjustable from 30 mm to 190 mm</td>
</tr>
<tr>
<td>Pointing capacity</td>
<td>230 V AC, 50/60 Hz, 6 A (cos φ = 1) or 4 A (cos φ = 0.8)</td>
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<tr>
<td>Maximum pointing current</td>
<td>≤ 16 A</td>
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<tr>
<td>Weight</td>
<td>27.4 kg</td>
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<tr>
<td>Temperature range</td>
<td>–40 ºC to +70 ºC</td>
</tr>
<tr>
<td>Protection against ingress of foreign bodies and water</td>
<td>IP 54 in line with DIN VDE 0470, Part 1</td>
</tr>
</tbody>
</table>

References

- German Railways
- Egyptian National Railways
- Express Rail Link, Sdn. Bhd., Malaysia
- Finnish Rail Administration
- Queensland Rail, Australia
- Railways of the People's Republic of China
- Swiss Federal Railways
- Taiwan High Speed Railway Corporation

Dimensions (mm)

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The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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