S  700K-C  电动转辙机
S  700K-C  Electric Point Machine
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Low Maintenance, Rugged Construction, High Reliability

The S 700 K-C Electric Point Machine from Siemens can be used with all points with external locking and under certain conditions also with points without external locking. Derailers and swing noses can also be operated using this point machine. Besides, the S 700 K-C Electric Point Machine is suitable for the operation of latching and locking equipment with special safety requirements in industrial railways.

The S 700 K-C Electric Point Machine performs the following functions:

- Throwing of points (point blades and, if necessary, swing nose) and derailers;
- Retention of point blades in the end positions;
- Mechanical securing of point locking;
- Electrical indication of the throwing operation and blade end position;
- Opening of retention clutch when a set of points is trailed and issuing of a "points trailed" indication to the detection facility (for trailing point machines).

S 700 K-C Electric Point Machine has the following functions:

- Throwing lock (dependence on track, compared}
- Automatic lock release;
- Automatic lock release;
- Locking and unlocking in selected positions;
- Automatic track clearance (in case of track obstruction).

S 700 K-C Electric Point Machine has the following advantages:

- High reliability;
- Low maintenance;
- Rugged construction;
- Easy operation.

S 700 K-C Electric Point Machine is designed for use in industrial railways where high safety and reliability are required.
S 700K-C Electric Point Machine

Putting you on the right track

S 700 K-C电动转辙机能够使铁路机构的运营成本降到最低，除了高可靠性，电动转辙机还有以下优点:

产品特点:

- 维护测试寿命为一百万次动作；
- 适用于干线（含高速铁路线）和支线；
- 重量轻，占地少；
- 模块化设计缩短了维修时间（如遇破坏）；
- 高品质的操作提高了可用性。

Every railway authority wants to reduce its operating cost to a minimum. That is exactly why state-of-the-art railway signalling and safety systems such as the S 700 K-C Electric Point Machine are so attractive. In addition to high reliability, this Electric Point Machine offers the following:

Customer Benefits:

- Durability testing life is one million throwing operations;
- Suitable for use on suburban and main lines (also high-speed ones);
- Low weight and low space requirements;
- Short repair times through modular design (e.g., in case of damage);
- High availability through top-quality components.
### Technical Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage</td>
<td>380 V AC, 50 Hz ±2%</td>
</tr>
<tr>
<td>Rated current</td>
<td>≤2 A (54Ω)</td>
</tr>
<tr>
<td>Maximum starting current</td>
<td>≤8A</td>
</tr>
<tr>
<td>Operating time</td>
<td>≤6.6s (*for 240 mm throwing stroke, the operating time ≤7.2 s)</td>
</tr>
<tr>
<td>Line resistance (single line)</td>
<td>≤54 Ω</td>
</tr>
<tr>
<td>Power output (motor)</td>
<td>400 W</td>
</tr>
<tr>
<td>Throwing stroke</td>
<td>240 / 220 / 150 mm</td>
</tr>
<tr>
<td>Pointing opening</td>
<td>69 – 180 mm</td>
</tr>
<tr>
<td>Throwing force 2</td>
<td>2000 – 6000 N</td>
</tr>
<tr>
<td>Trailing resistance</td>
<td>24 KN / 90 KN</td>
</tr>
<tr>
<td>Length</td>
<td>1261 mm</td>
</tr>
<tr>
<td>Width</td>
<td>434 mm</td>
</tr>
<tr>
<td>Height</td>
<td>290 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>110 kg</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-40°C to 70°C</td>
</tr>
<tr>
<td>Test voltage</td>
<td>2400 V, 50 Hz</td>
</tr>
<tr>
<td>Test Life</td>
<td>≥1 x 10⁴ Throwing operations</td>
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