

RailPlex™ POINT MACHINE L710H



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Water-Resistant, Dust-Tight and Field Proven

RailPlex™ Electro-hydraulic point machines have proven their superior benefits in comparison to conventional electro-mechanical systems by offering higher level of reliability, availability and durability.

Whenever heavy weather or climate conditions affect your daily work, the point machine RailPlex™ L710H assures safe continuation of train operation up to a certain water level on track. It withstands strong water and humidity impacts, also train operation in harsh environment like deserts with sand issues is not a problem.

With the proven capability to work in deserts and to withstand floodings, Hitachi introduces the RailPlex™ L710H point machine for your infrastructure.

KEY BENEFITS

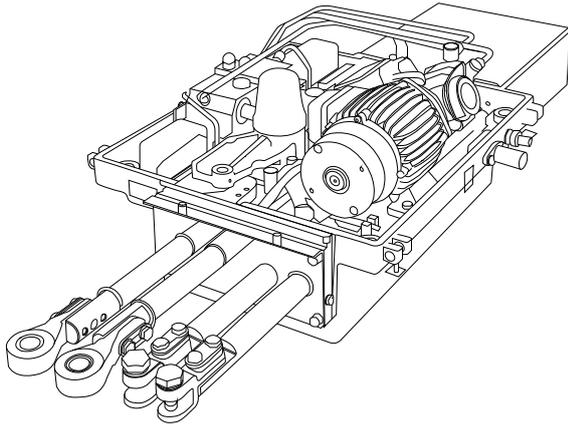
- » RailPlex™ L710H is designed for operation under harsh conditions
- » Requires virtually no maintenance
- » Available for
 - » every gauge or point type
 - » every AC electrical interface to the interlocking
- » Technical point machine parameter can be adjusted and customized according to customer requirements



HITACHI

QUALITY MADE IN GERMANY

Hitachi Rail has a great track record in point machine design, manufacturing and installation. Every year, more than 2,000 point machines are manufactured and shipped from Hitachi Rail production plant in Arnstadt/Germany.



DESIGN

RailPlex™ Point Machine L710H is an electro-hydraulic point machine with IP67 protection class enabling nearly wear-free operation for very long life time. It's based on the standard L710H model with long proven track record. The point machine has an internal lock. For manual operation a hand crank and shut-off key is provided.

Several 10,000 point machines are currently in operation worldwide in over 22 different countries.

TECHNICAL DATA

- » Electrical interface
 - » Supports most common electrical interfaces to the interlocking
 - » Customer specific settings upon request
- » Power supply
 - » 400 V AC, 3 phase, 50Hz / 230 V AC single phase
 - » Other settings upon request
- » Trailability
 - » Trailable and non-trailable
- » Forces
 - » All forces are configurable
 - » Throwing force 1.5 - 6 kN
 - » Retaining force trailable version between 6 - 9 kN
 - » Retaining force non-trailable version approx. 30 kN
- » Throwing time
 - » Customizable from 3 - 8 seconds
- » Stroke
 - » Adjustable from 60 mm or 160 mm
- » Product life-time
 - » more than 1 million throwing movements
- » Locking system
 - » Internal lock
- » Installation configuration
 - » Suitable for right-hand or left-hand layout (adjustable on-site directly on the point machine)
- » Operating temperature
 - » -40°C to + 80°C
- » IP
 - » IP 54 / IP 67
- » MTBF
 - » 687 Years
- » Weight
 - » Around 185 kg

