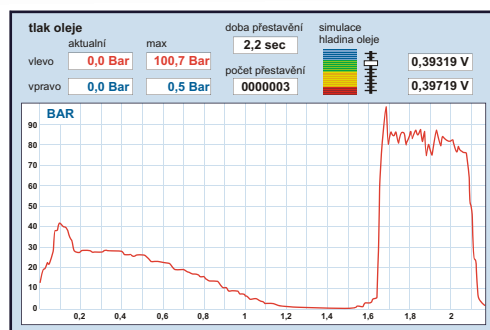
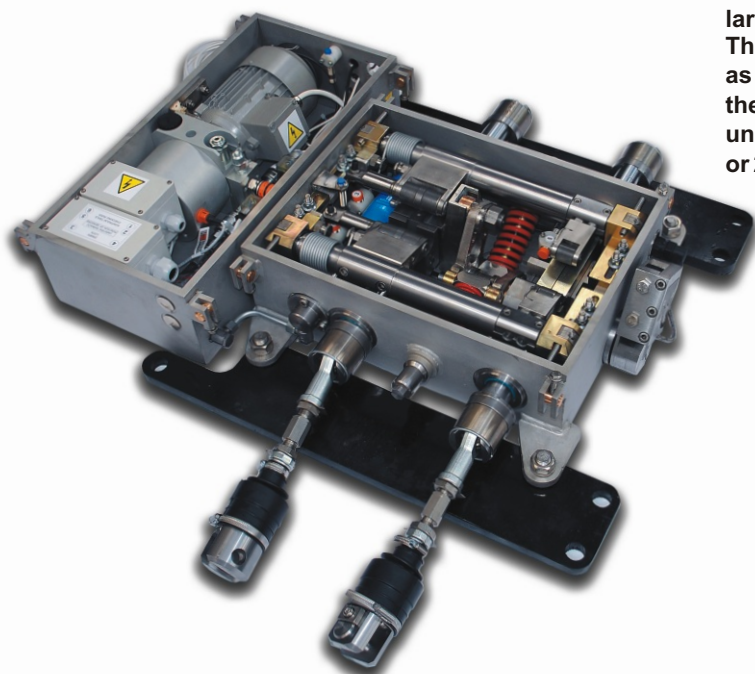


Facing direction setting device VSP-12-K

The VSP-12-K setting device is intended for mechanized resetting into the required direction of turnouts with flexible blades. It meets the level SIL 3 requirements for safety integrity according to EN 61508, guarantees noiseless operation, is ecologically safe and has a long service life with minimum maintenance demands.

The main advantage of this setting device is the combination of low installation depth – 170 mm – the height of the point machine box ZZKP-100 including the built-in electrohydraulic drive and the large lift of the blades up to 100 mm.

This type of turnout system is also manufactured as a two-box version – detachable box modules for the mechanical part and a variable electrohydraulic unit for 600V DC, 400V AC, 230V AC, 110V AC 60Hz or 24V DC.

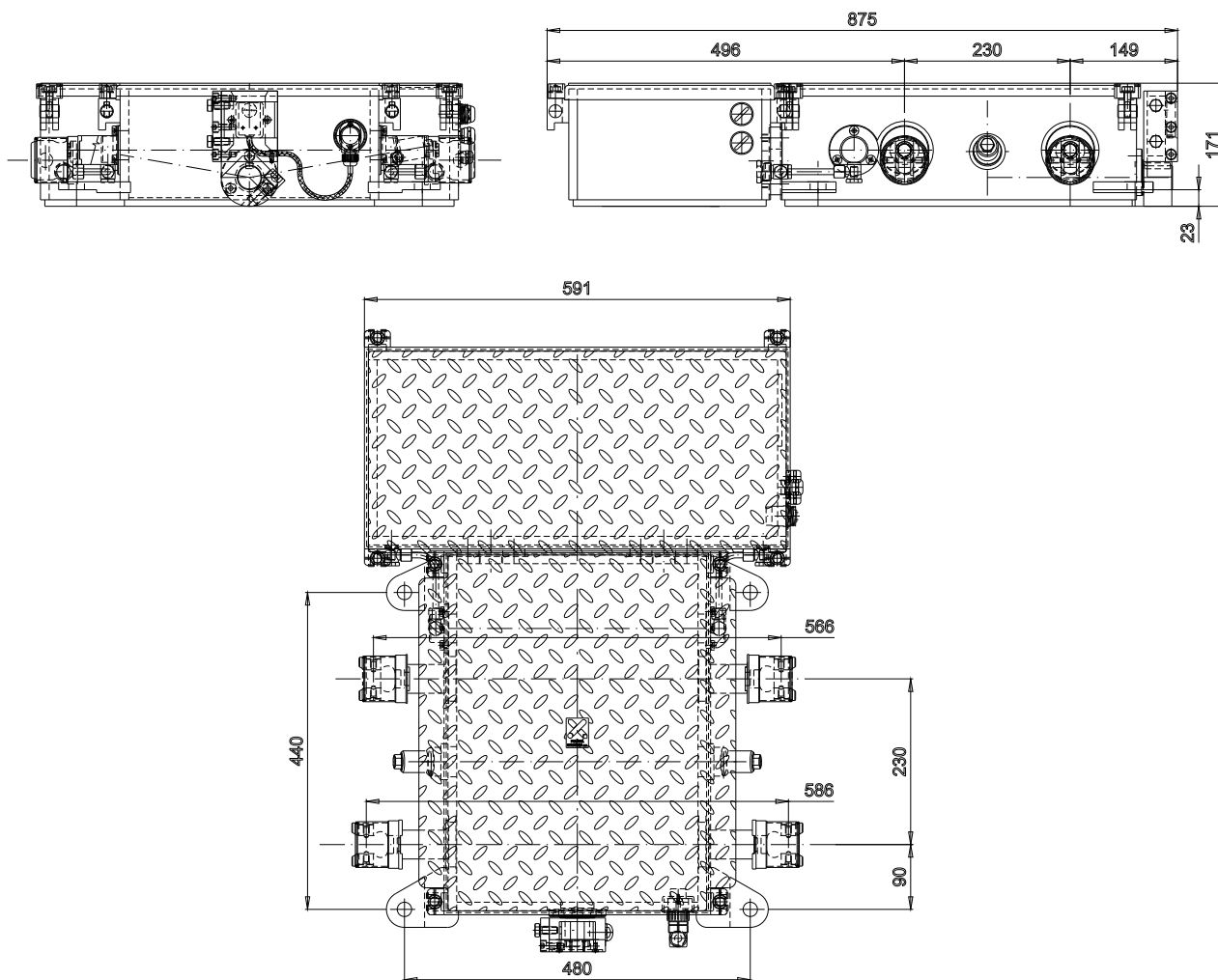


Securing:

- down-pressure of the setting rod in both extreme positions
- locking the setting rod in both extreme positions
- signalling of locking the setting rod
- locking both checking rods in extreme positions
- signalling both extreme positions of both checking rods
- signalling of blocking the command for resetting when inserting the key into the setting pocket
- deformation-free forced resetting ("force open") with a standard split release or only via the distant blade
- optionally, the turnout system includes diagnostic elements (oil pressure and oil level measurement in the tank of the electrohydraulic system, temperature measurement, turnout system flooding sensor and other options as ordered by the user).

Pražská strojírna a.s.
Mladoboleslavská 133
190 17 Praha 9-Vinoř
Czech Republic

Facing direction setting device VSP-12-K



Description:

The VSP-12-K switch system consists of the ZZKP-100-RO switch box, the JH-3-400-M waterproof separate electro-hydraulic unit, and the control systems for the positioning and check rods. The switch box can be fitted either with a standard split release (Alternative A) or a split across the distant switch blade (Alternative B). The switch system can be installed loosely within an open line or it can be installed in an embedded box with drainage and lid capacity of 12 tonnes to allow passage of road vehicles.

As requested by the user, Pražská strojírna a.s. supplies the turnout system including diagnostic elements, which means that it is possible to measure current oil pressure; record its maximum in collaboration with the control system; measure the throwing-over time in collaboration with the control system; monitor the oil level; count the throwing-over events in collaboration with the control system; measure temperature in the turnout system; install a turnout system flooding sensor and other diagnostics options as ordered by the user.

Technical parameters:

minimum gauge
switch blade travel
positioning rod connection to blades
check rod connection to blades
rod positioning force
spring assembly thrust
manual positioning torque
mechanical positioning time
standard splitting force; Alternative A
splitting force on distant blade; Alternative B
check rod splitting force on distant blade; Alt. B
switch-operating mechanism voltage, standard
switch-operating mechanism voltage, USA
switch-operating mechanism voltage, DC

from 1000 mm
36 to 100 mm
M27 bolt or special blade hinge
check, or special blade hinge
approx. 5 kN
1.3 to 3 kN
150 to 300 Nm
max. 1.2 s
10 kN +30%
6 kN
1.3 kN
230, 400 V AC 50 Hz
110 V AC 60 Hz
24, 600, 750 V DC

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