

ZS.06 RAIL CLAMPS WITH ELECTRIC DRIVE

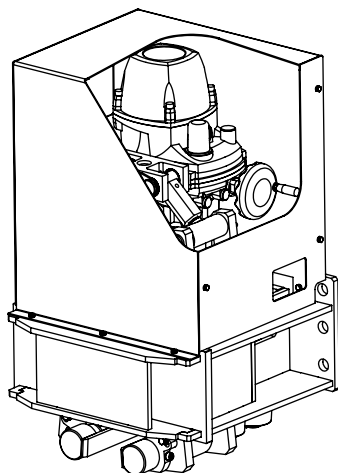
Braking force is induced by PROFOX electric drive piston which causes movement of the clamp arms and pressing of the shoes against the side surfaces of the running rail. A change of clamp status (braking/brake release) occurs only after a signal from the control system (with power supply connected to the electric drive). In the event of voltage loss, the clamp is not automatically applied or released and it is not necessary to maintain the motor power supply in order to keep the clamp in the released state.

Braking/brake release can be achieved:

- by a 24 VDC signal from the control unit
- manually from the control panel of the electric clamp drive (after removal of the cover)
- wireless via an app on an Android device
- in emergency situations: with a handwheel in the absence of power supply.

The output signals of the electric drive enable the indication of the brake release status, braking or wear of the lining.

It is also possible to map the positions of the electric drive piston (4-20 mA signal).



ZS.06 rail clamp

Technical parameters of the clamp	
Braking force:	13 000 N ÷ 30 000 N (setting on electric drive)
Weight:	143 kg
Piston stroke:	50 mm
Braking/brake release time:	20÷35 s (depending on configuration – can be increased)
Rail type:	as agreed
Horizontal offset (slip):	±30 mm

Electric drive parameters	
Power supply:	single phase 100–240 V/50–60 Hz
Operating regime:	S4-50%
Protection rating	IP67
Ambient temperature	from -25°C to +70°C
Internal connecting clamps, cable gland inputs	3×M20
Input signal:	CLOSE, OPEN, STOP
Control voltage:	signal level 24 VDC
Output:	3 NO contacts 100 mA (24 VDC) 4–20 mA (mapping of piston position)
Motor power:	0.051 kW
Motor current	In: 0.4 A (240 V) – 0.8 A (100 V) Imax: 0.7 (240 V) – 1.6 A (100 V)

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