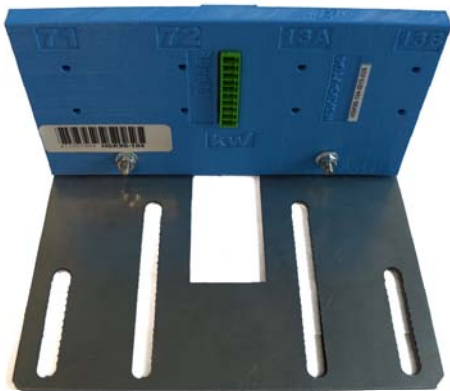


Picture of the Frontside

The shaft copying panel HSK90-101 has four x five hall sensors for the detection of the magnetic tracks on the shaft flags.

The hall switches have the function of the two penultimate switches S13A & S13B above and below and the two zones 71 and 72.

The electrical connection is made using a round cable to the car controller FKR.



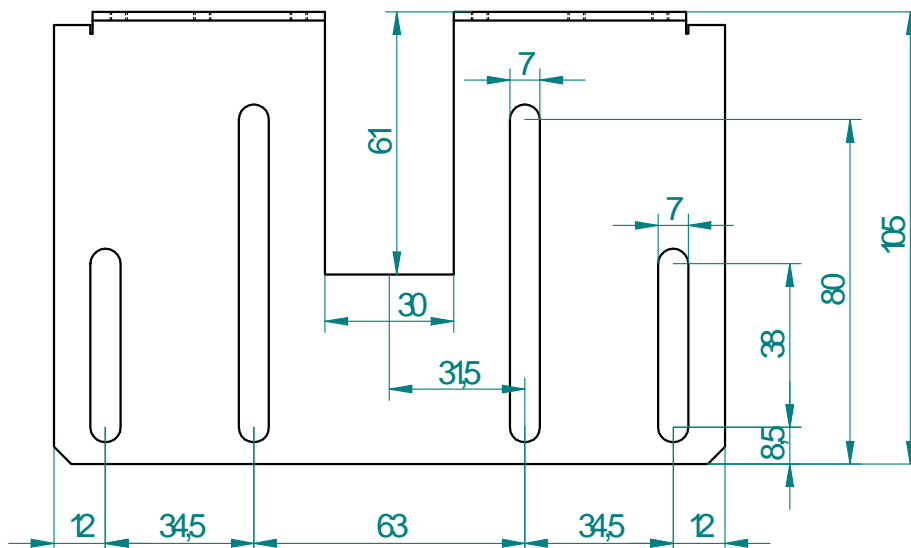
Picture of the Backside

It is mounted on the cabin roof.

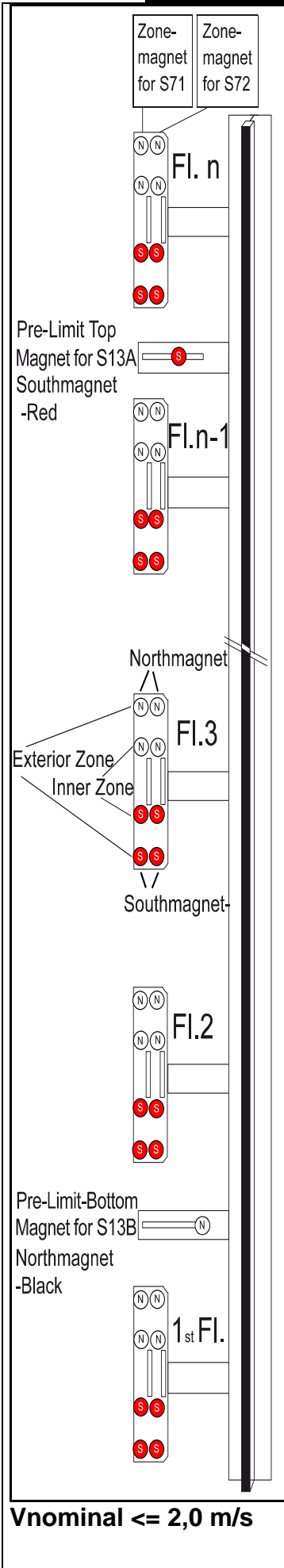
These are 2 to 3 holes provided with an M5 thread.

Over the long holes in mounting angle of the HSK-90, the optimal distance from the magnet can be adjusted on the shaft flag.

Mechanical Schematic



Schematic-Shaftcopysystem with UCM-Zone



HSK90 System

The shaft copy system HSK-90 consists of the the shaft ESF16 flags, SFH16 holders of the respective magnets and mounting hardware. On the flag, the North magnets are always on top! Each 4 round magnets of a track-form an exterior and an interior zone. The exterior zone is responsible for the driveway with the door open, the interior zone for catching up / UCM detection. The shaft resolution approximation HSK-90 panel is mounted on the cab roof using the mounting bracket.

The switching distance between magnet and the HSK-90 is 7- 9mm!

The electrical connection of the HSK-90 will be done with a plug & play wire.



The pre-limit up / top S13A correction is turned on by a magnet south. The magnet must be between the penultimate and last floor!

The pre-limit down / bottom correction S13A is turned on a north magnet. The magnet must be between the 2 - and are lowest floor!

At a higher Speed than 2.0 m/s, or short travel stops, respectively, a second pre-limit switch is necessary.

The second pre-limit up / top S15A turned off-a South magnet. The magnet must be located between the pre-penultimate and penultimate floor.

The second pre-limit down / bottom S15B is turned on a north magnet. The magnet must be between the 3rd and 2nd Floor there.

