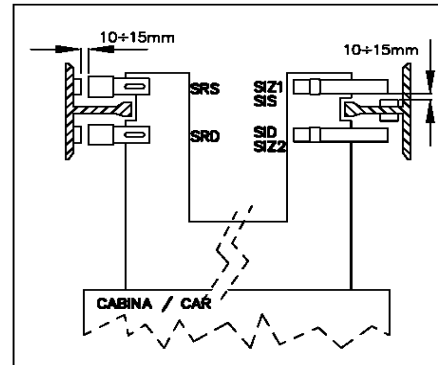
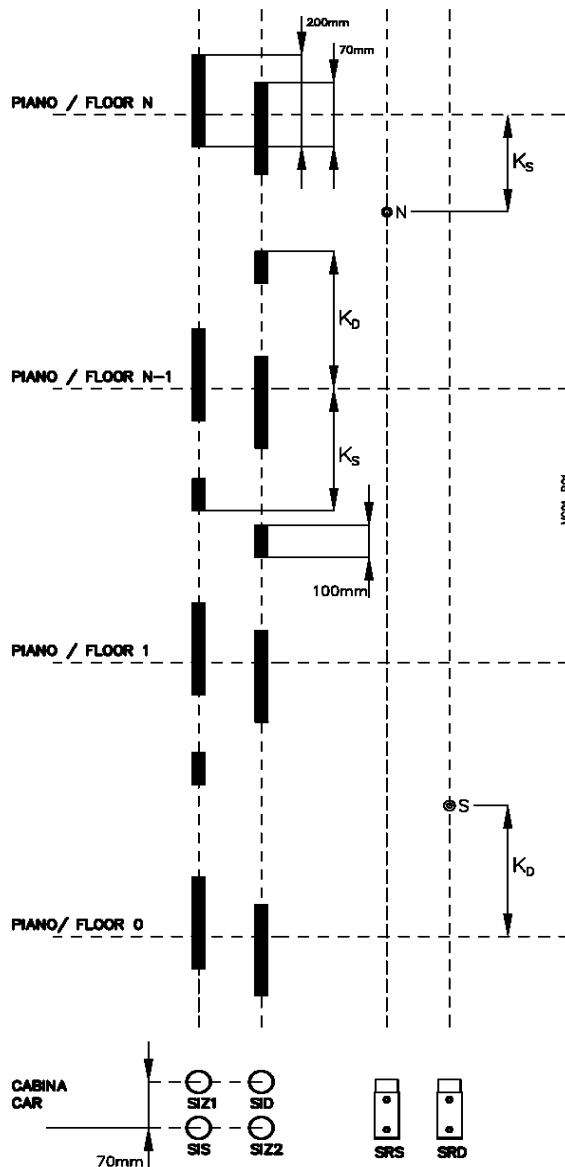


System made up of magnetic sensors (reed switches). Used for electric and hydraulic lifts.

FRONT VIEW

CAR ROOF VIEW



Sensor	Function
SIS	Monostable reed switch for ascending stop control and ascending speed change control
SID	Monostable reed switch for descending stop control and descending speed change control
SRS	Bistable reed switch for speed change control at uppermost landing
SRD	Bistable reed switch for speed change control at lowest floor and position reset
SIZ1, SIZ2	Monostable reed switches for controlling CS4 safety circuit (*)

(*) The CS4 safety circuit is necessary in the following cases:

- amendment A3
- hydraulic/electric relevelling
- early door opening

K_D, K_S = SLOWDOWN DISTANCES

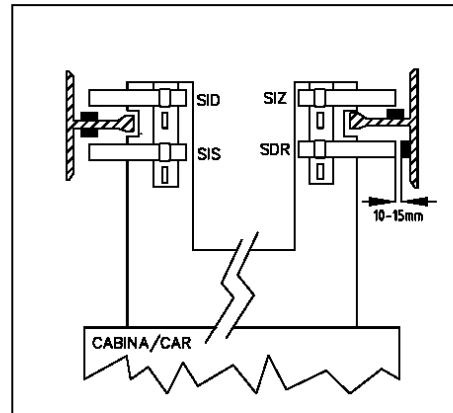
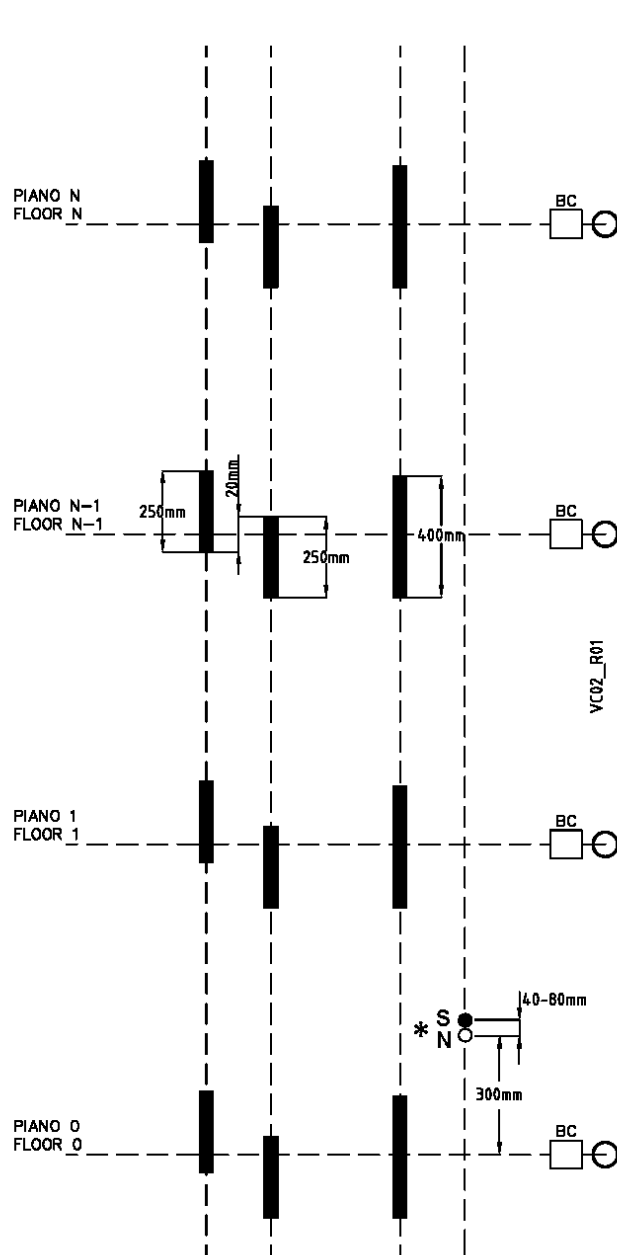
These distances depend on the speed of the lift and the technical characteristics of the motor or the hydraulic unit installed.

If $K_D + K_S + 5\text{CM} > \text{minimum distance between adjacent floors}$, it is necessary to install the VEN01 encoder shaft system.

A system made up of magnetic sensors (reed switches). Used for elevator platforms.

FRONT VIEW

CAR ROOF VIEW

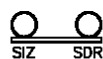
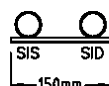


Sensor	Function
SIS	Monostable reed switch for ascending stop control and ascending speed change control
SID	Monostable reed switch for descending stop control and descending speed change control
SDR	Bistable reed switch for position reset
SIZ1	Monostable reed sensor for controlling the CS4 safety circuit. (*)

(*) The CS4 safety circuit is necessary in the following cases:

- amendment A3
- hydraulic/electric relevelling
- early door opening

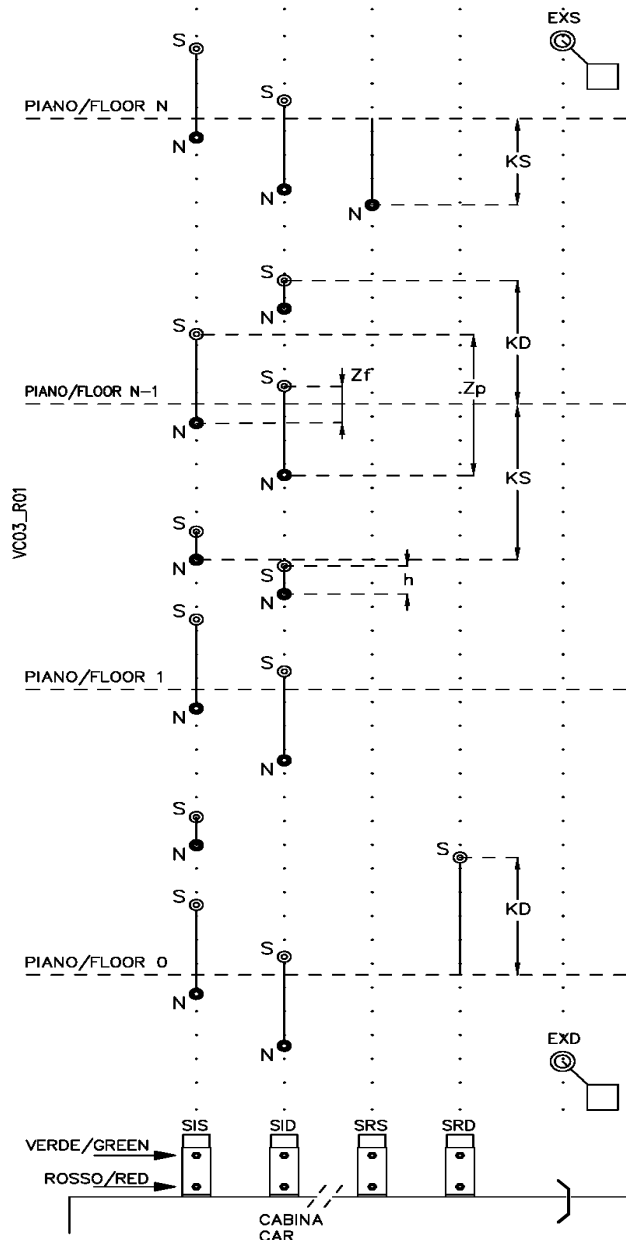
CABINA / CAR



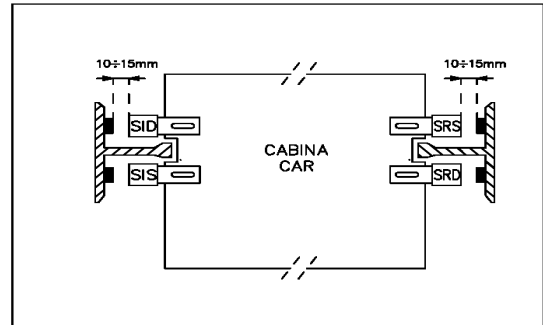
*) The orientation of these magnets depends on the sensor manufacturer / model. The figure shows the correct orientation with CARLO GAVAZZI model FMPB2 sensor.

System made up of bistable magnetic sensors (reed switches), used for electric lifts without a CS4 safety circuit.

FRONT VIEW



CAR VIEW VIEW



Adjustable spacings (by moving the magnets)

Zp	Door unlocking zone (around 35 cm)
Zf	Stopping zone (around 5 cm)
h	5 cm
Sensor	Function
SIS	Bistable reed sensor for ascending stop control and ascending speed change control
SID	Bistable reed sensor for descending stop control and descending speed change control
SRS	Bistable reed sensor for speed change control at uppermost landing
SRD	Bistable reed sensor for speed change control at lowest floor and position reset

K_D, K_S = SLOWDOWN DISTANCES



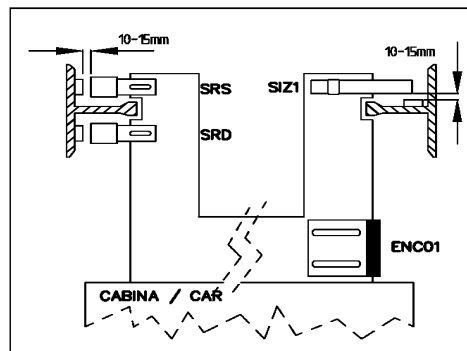
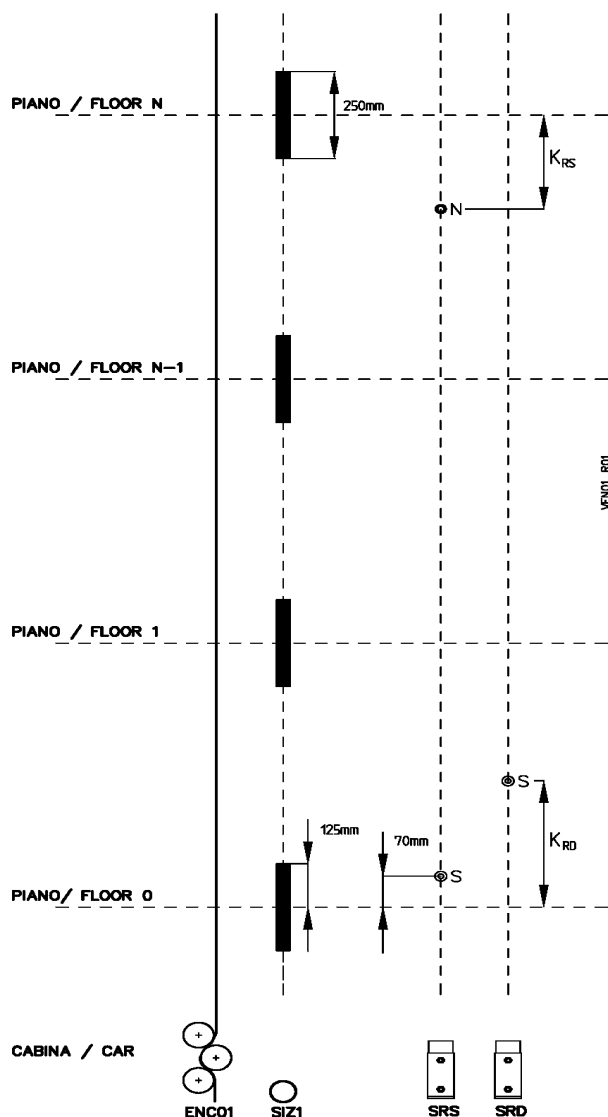
These distances depend on the speed of the system and the technical characteristics of the motor or the hydraulic unit installed.

If $K_D + K_S + 5\text{cm} > \text{minimum distance between adjacent floors}$, it is necessary to install the VEN01 encoder shaft system.

System made up of magnetic sensors (reed switches) and an encoder on the car or on the motor shaft. Used for electric/hydraulic lifts and elevator platforms.

FRONT VIEW

CAR ROOF VIEW



Sensor	Function
ENC01	Encoder for the control of stopping and speed change. The one on the motor can also be used.
SRS	Bistable reed switch for speed change control at uppermost landing during acquisition and rephrasing of the encoder
SRD	Bistable reed switch for speed change control at lowest landing during acquisition
SI21	Monostable reed switch for controlling CS4 safety circuit (*)

(*) The CS4 safety circuit is necessary in the following cases:

- amendment A3
- hydraulic/electric relevering
- early door opening

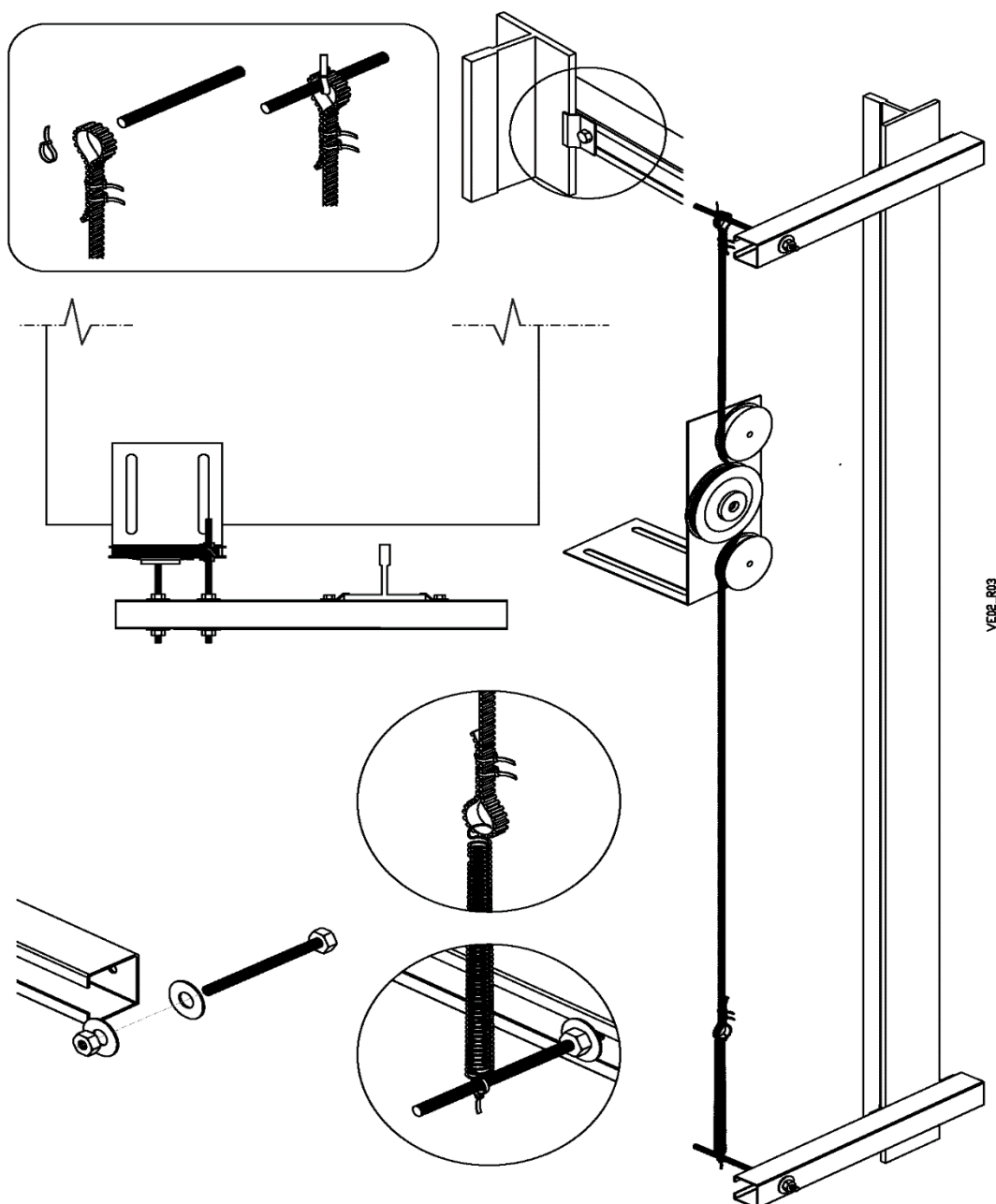
 K_{RS}, K_{RD}

These distances must be about 10 cm smaller than the slowdown distances set in parameters [8.05.0](#) and [8.06.0](#)



SELF LEARNING OF FLOOR HEIGHTS AND STOP DISTANCES

For automatic acquisition of floor heights and stop distances, see parameter [9.00](#).



ENCODER POSITIONING

To avoid excessive noise, it is absolutely necessary to attach the pulleys bracket of the encoder ECN01 on the arch of the car, and not on covering plates.



ADJUSTING THE TENSION OF THE TOOTHED BELT

Extend the spring until it has a length of 17 cm