

**HPR® 250 kg preload**

STEP 92 Preload™

– Double electric strike with advanced HPR® technology for door automation

An electric strike with two rotating cams designed for lever handle latch bolts and cylinder latch bolt in a double latch lock. With separate electrical locking on each latch bolt, there are more options for doors with door automation or pull handles. Fire resistance class E/EI 120.

Electric strike in fail safe function despite fire safety requirements and door automation

The upper and lower rotating cam can be separately set to the fail secure or fail safe function, which allows STEP 92 Preload to be adapted to many different door functions. The door can be unlocked via fire alarms or even stand open during the day despite fire requirements E/EI 120 and opened with door automation.

An evacuation door with door automation and fire requirements can thus now handle re-entry via fire alarms.

Break resistance is 1 200 kg.

Unique HPR® technology ensures opening at 250 kg preload

High Preload Release® technology ensures that the door can unlock, despite a preload of the door of 250 kg. This exceeds the requirements of EN 13637 and is by far the technology on the market that can withstand the highest preload. In an emergency situation, this is an absolute necessity to ensure a functioning emergency evacuation.

Stor flexibilitet med omställbar funktion

Omställbar funktion skapar en stor flexibilitet och lägre hanteringskostnader eftersom funktionen enkelt kan väljas och ändras vid installation.

Wide range of faceplates

Choose from a wide range of stainless steel faceplates.

When it has to work.

**STEP**
92
PRELOAD

Teknisk information

Power consumption 24 V DC	Power consumption 12 V DC
0 mA with rotating cam in standby	0 mA with rotating cam in standby
85 mAh at unlocked (fail secure) / locked (fail safe)	170 mAh at unlocked (fail secure) / locked (fail safe)

Max. 300 mA at 24 V DC / 600 mA at 12 V DC for 0.2 seconds to fulfil the need for locking or unlocking upon special events. Contact us in the event of systems with balanced alarm loop.

Article number for Scandinavian standards	Designation
ST925	Fail safe function 24 V DC, including bolt contact.
ST925-12	Fail safe function 12 V DC, including bolt contact.

					
Preload: 250 kg	Anti-hammer secured	Break resistance: 1 200 kg	Factory tested: 1 500 000 cycles	Fire resistance class: E/EI 120	

Product characteristics

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Security electrical manipulation: Grade 1 per EN 14846.
- Approved fire resistance class E/EI 120.
- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in protective diode.
- Built-in indication in both rotating cams for detection door open/closed (bolt contact).
- The HPR® technology ensures opening despite 250 kg (≈ 2,5 kN) preload in fail secure/fail safe function.
- Break resistance 1 200 kg (≈ 12 kN).
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.
- Suitable lock cases for the Scandinavian market: double latch locks in the Connect, Modul and Narrow profile systems.

Used in doors where door automation is to be combined with other requirements

STEP 92 Preload is used in doors where door automation must be combined with several other requirements. Here are some examples of uses:

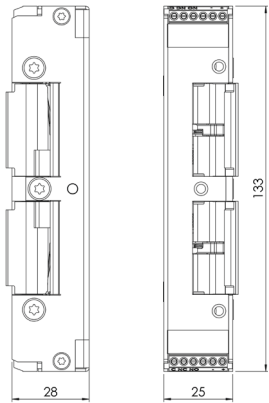
- Evacuation door, fits many evacuation locks in Scandinavian standard for EN 179 and EN 1125.
- Door automation with door open at fire cell limit.
- Door automation with evacuation and mechanical re-entry at the fire cell limit.
- Door automation with evacuation and electrical re-entry at the fire cell limit.
- Door at the fire cell limit can be unlocked via fire alarm for evacuation.
- Unlocked door at the fire cell limit with door automation can be equipped with double latch lock and be prepared for electrical access control.

HPR®

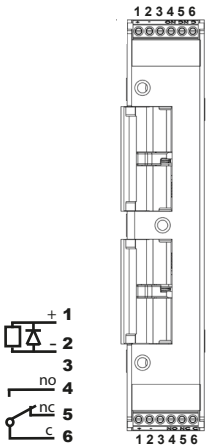
250 kg preload

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 92 Preload is equipped with STEP's unique HPR® technology that allows the door to be unlocked even if subjected to pressures of up to 250 kg.

- **Seals and pressure differences** – HPR® enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – HPR® combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – HPR® ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 92 Preload.



Wiring diagram with bolt contact. Connections are made with screw terminal blocks.