



STEP 8

– Surface mounted lock in minimal design

STEP 8 is a surface mounted electric lock that is quickly mounted directly on the frame. STEP's unique Preload technology, in combination with minimal dimensions and stainless steel, give STEP 8 reliable function with stylish design.



STEP 8 is a perfect solution where a lock is to be installed afterwards or where you do not want to install a recessed lock, for example, due to space considerations, in doors where there is asbestos or in doors with high cultural value.

The lock can be used as a replacement for magnetic locks and is combined with door automation and/or fire alarms. The installation is very easy. No changes need to be made to the existing recess. It can be mounted vertically or horizontally on both single and double doors.

Wide range of applications

STEP 8 consists of two sturdy parts, a hook mounted on the door leaf and an electrical strike in a bracket mounted directly on the underside of the frame.

Depending on where STEP 8 is supposed to be mounted there are several different accessories to choose from.

Fail safe function for doors with evacuation requirements

With the fail safe function, STEP 8 is used for evacuation doors with evacuation terminals or emergency opening buttons. The lock can withstand a preload of up to 150 kg, allowing safe evacuation. STEP 8 is also available with fail secure function.

When it has to work.

Technical data

Power consumption with fail secure and fail safe functions	
24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
110 mAh / max 300 mA	220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

Art.no	Designation
ST880	Surface mounted lock STEP 8. Fail secure function 24 V DC. Incl. hook.
ST880-12	Surface mounted lock STEP 8. Fail secure function 12 V DC. Incl. hook.
ST881	Surface mounted lock STEP 8. Fail safe function 24 V DC. Incl. hook.
ST881-12	Surface mounted lock STEP 8. Fail safe function 12 V DC. Incl. hook.
ST890	Surface mounted lock STEP 8. Fail secure function 24 V DC. Incl. hook and angle bracket with house, 90 degrees.
ST890-12	Surface mounted lock STEP 8. Fail secure function 12 V DC. Incl. hook and angle bracket with house, 90 degrees.
ST891	Surface mounted lock STEP 8. Fail safe function 24 V DC. Incl. hook and angle bracket with house, 90 degrees.
ST891-12	Surface mounted lock STEP 8. Fail safe function 12 V DC. Incl. hook and angle bracket with house, 90 degrees.

Art.no	Designation accessories
ST860	Angle bracket with house, 90 degrees.
ST861	Angle brackets. Adapted for sliding doors.
ST862	Angle bracket with house, 45 degrees.
ST863	Mounting plate
ST864	Hook.
ST870	Glass fitting.
ST9088	Distance plate.

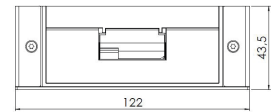


- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Fail safe function adapted to requirements according to EN 13637.
- Microswitch unipolar changeover, max. 30 V DC, 1A.
- Built-in protective diode.
- Built-in indication for detection of whether the door is closed/open (bolt contact).
- Break resistance 9 kN (≈ 900 kg).
- Ensures opening despite preload up to 1,5 kN (≈ 150 kg) in fail secure and fail safe functions.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.
- Adapted for sliding doors.

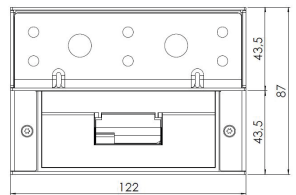
STEP's unique Preload technology

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 8 Secure is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 150 kg.

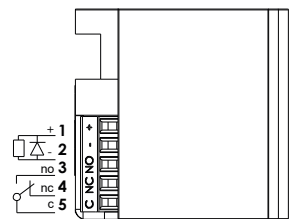
- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the latch is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function 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 8.



Dimensional drawing STEP 8 with angle bracket.



Wiring diagram. Connections are made with screw terminal blocks.



STEP 8 with hook (ST880). For mounting under the frame.



STEP 8 with hook and angle bracket with house (ST890).



ST870, glass fitting.