



## STEP 30 Preload™

### – Electric strike with minimal dimensions and Preload technology

STEP 30 Preload is a minimal electric strike designed to replace existing simple electric strikes and create a reliable door environment even with older doors and recesses. Preload technology allows the door to open even if it is subjected to pressure.

#### **Proven technology in minimal format**

Preload technology enables smoothly functioning electric locking with door seals. The technology gives the door very high reliability and allows it to retain its sealing properties.

In common with the other products in the series, STEP 30 Preload features smooth action for good door operation.

#### **Bring new life to older doors**

STEP 30 Preload can be used as a replacement for existing simple electric strikes. In this way, STEP 30 Preload provides the opportunity to achieve a reliable and well-functioning door environment despite older doors and recesses.

#### **Faceplates and lock cases**

There is a wide range of faceplates in stainless steel for STEP 30 Preload.

#### **Suitable lock cases for the Scandinavian market**

- Single and double latch locks in the Kaba 1400 series
- Single and double latch locks in the Connect series
- Single and double latch locks in the Modular series
- Single and double latch locks in the Narrow profile series

*When it has to work.*



**STEP**  
**30**  
PRELOAD

## 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)

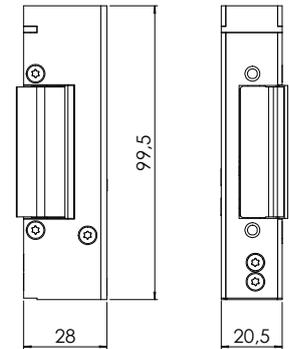
Article number for Scandinavian standards	Designation
ST30	Fail secure function 24 V DC.
ST30-12	Fail secure function 12 V DC.
ST300	Fail secure function 24 V DC, including bolt contact.
ST300-12	Fail secure function 12 V DC, including bolt contact.
ST301	Fail safe function 24 V DC, including bolt contact.
ST301-12	Fail safe function 12 V DC, including bolt contact.
ST305	Adjustable function 24 V DC, including bolt contact.
ST305-12	Adjustable function 12 V DC, including bolt contact.
ST31	Fail safe function 24 V DC.
ST31-12	Fail safe function 12 V DC.
ST35	Adjustable function 24 V DC.
ST35-12	Adjustable function 12 V DC.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Microswitch unipolar changeover, max. 30 V DC, 1A.
- Built-in protective diode.
- Detection indication that the door is closed/open (applies to the products with bolt contact).
- Break resistance 5 kN ( $\approx$  500 kg).
- Ensures opening despite preload up to 0,4 kN ( $\approx$  40 kg) in fail secure and fail safe function.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.

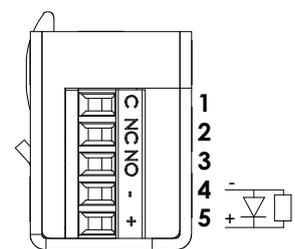
## STEP's unique Preload technology

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 30 Preload is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 40 kg.

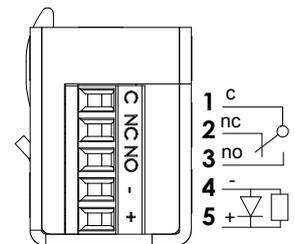
- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming 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 30 Preload.



Wiring diagram without bolt contact. Connections are made with screw terminal blocks.



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