



STEP 60 Silent™

– Sturdy electric strike with unique performance

STEP 60 Silent is a new generation of electric strike with superior technology designed for single- and double-latch locks. Patented STEP technology gives the door smooth and almost silent opening and closing. Approved fire resistance class E/EI 120.

Reduced noise enables a wide range of application areas

STEP 60 Silent has unique opening and closing properties that enable a very wide range of application areas. Soft and quiet operation along with sturdy construction make STEP 60 Silent perfect for frequently used doors or where reduced noise is desirable. STEP 60 Silent improves the door environment in, for example, apartment buildings, offices, schools and hospitals.

High security

STEP 60 Silent provides a high level of resistance to burglary attempts through a unique rotating cam for complete latch bolt throw, high break resistance and electrically operated anti-hammer protection that blocks tampering with the locking function. Break resistance is achieved both with the fail secure and fail safe functions.

Faceplates

There is a wide range of faceplates in stainless steel for STEP 60 Silent.

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
60
SILENT

Technical data



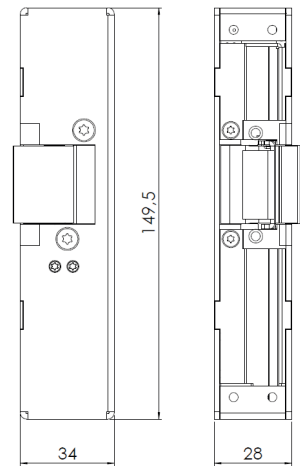
Fire resistance class E/EI 120

Power consumption with fail secure function		Power consumption with fail safe function	
24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %	24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
250 mA max	500 mA max	193 mA max	386 mA max
121 mA unlocked	242 mA unlocked	105 mA locked	210 mA locked

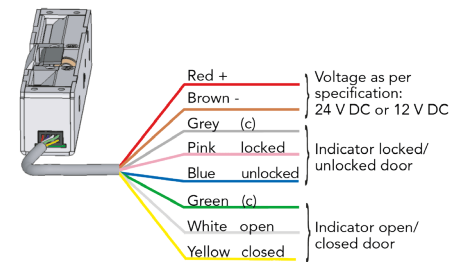
Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

Article number for Scandinavian standards	Designation
ST600	Fail secure function 24 V DC, including bolt contact and 5 m cable.
ST600 10M	Fail secure function 24 V DC, including bolt contact and 10 m cable.
ST600-12	Fail secure function 12 V DC, including bolt contact and 5 m cable.
ST600-12 10M	Fail secure function 12 V DC, including bolt contact and 10 m cable.
ST601	Fail safe function 24 V DC, including bolt contact and 5 m cable.
ST601 10 M	Fail safe function 24 V DC, including bolt contact and 10 m cable.
ST601-12	Fail safe function 12 V DC, including bolt contact and 5 m cable.
ST601-12 10M	Fail safe function 12 V DC, including bolt contact and 10 m cable.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Security electrical manipulation: Grade 3 (fail secure) Grade 1 (fail safe) per EN 14846.
- Approved fire resistance class E/EI 120.
- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in detection indication that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connection to access control systems, alarm system, etc.
- Break resistance 16 kN (≈ 1600 kg).
- Ensures opening despite preload up to 1 kN (≈ 100 kg) in fail secure and fail safe functions.
- Built-in protective diode.
- Anti-hammer secured.
- Including 5 metre or 10 metre connection cable.



Dimensional drawing STEP 60 Silent.



Wiring diagram with bolt contact.

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 60 Silent is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 100 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.