



STEP 15 Secure™ – Heavy duty deadbolt electric strike

STEP 15 Secure withstands extreme breaking forces and is suitable for doors with high security requirements. STEP 15 Secure is fast and durable, an advantage when there are frequent entries and exits with secure locking between each entry and exit.

High security

STEP 15 Secure normally locks the door directly upon closing by the lock bolt being enclosed in a rotating cam of hardened steel. The extremely sturdy design makes the electric strike both durable and highly resistant to attempts to force the lock.

If additional attachment reinforcement is needed, special reinforcement plates are available for installation on the inside and outside of the frame. These are clamped together with threaded rods and sleeve nuts to form a strong joint.

Function

STEP 15 Secure has a rotating cam that encloses the door lock's thrown bolt or hook bolt. For maximum security, the door lock must be equipped with a double cylinder. The door is normally opened via access control, but can also be opened with a key or thumbturn.

Reinforcement plates

A selection of stainless steel reinforcement plates is available for STEP 15 Secure.

Suitable lock cases for the Scandinavian market

STEP 15 Secure is designed for hook bolt lock case Assa 7787, 9787 or similar.

When it has to work.



STEP
15
SECURE

Technical data



Fire resistance class E/EI 60

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 %
458 mA max	917 mA max	458 mA / max160 mA	917 mA / max423 mA

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

Article number for Scandinavian standards	Designation
ST664-G*	Fail secure function 24 V DC, left.
ST664-G 12*	Fail secure function 12 V DC, left.
ST664-C*	Fail secure function 24 V DC, right.
ST664-C 12*	Fail secure function 12 V DC, right.
ST664-N	Fail safe function 24 V DC, left. Manages a preload of 500 kg.
ST664-N 12	Fail safe function 12 V DC, left. Manages a preload of 500 kg.
ST664-J	Fail safe function 24 V DC, right. Manages a preload of 500 kg.
ST664-J 12	Fail safe function 12 V DC, right. Manages a preload of 500 kg.

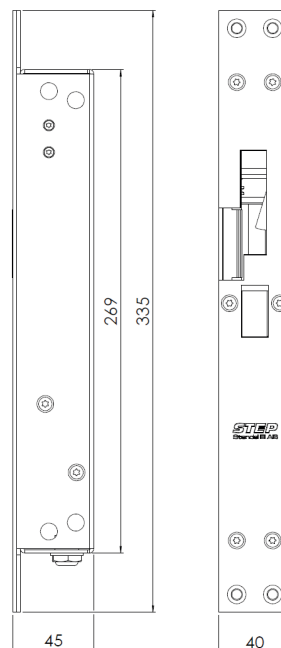
*Built-in detection indication that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connection to access control systems, alarm system, etc.

- Approved fire resistance class E/EI 60.
- Rotating cam in hardened steel, lock cases and faceplate in stainless steel.
- Break resistance: 16 kN (≈ 1600 kg).
- Guarantees opening despite preload up to 5 kN (≈ 500 kg). Applies only to STEP 15 Secure with article numbers ST664-J, ST664-J 12, ST664-N, and ST664-N 12.
- Built-in protective diode.
- Anti-hammer secured.
- 11 W 100% ED.
- Including 5 metre connection cable.

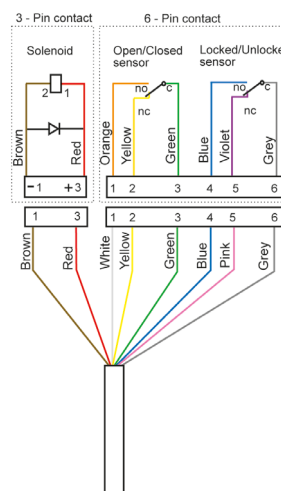
STEP's unique Preload technology

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 15 Secure is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 500 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 15 Secure.



Wiring diagram with bolt and barrier contact.