



STEP

När det
måste fungera.



STEP
28E

Deadbolt electric strike for automatic door opening systems

STEP 28E can be used with many different door functions. With STEP 28E door functions are possible where combinations of security, fire requirements and emergency can be achieved with automatic door openers or pull handles.

Electric locking of doors with many requirements

STEP 28E electric strike is used as electric locking where automatic door controls or pull handles must be combined with requirements for a high degree of security and/or fire tolerance. STEP 28E electric strike is used together with a deadbolt or deadbolt sashlock. This combination provides a high degree of entry security while at the same time a door opening function is always achieved via the latchbolt.

Emergency evacuation function in both fail secure and fail safe functions

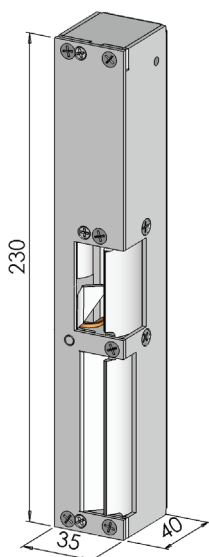
STEP 28E is often assembled with emergency exit lock in accordance with SS-EN179 where fire requirements and evacuation are in conjunction with automatic door openers.

STEP 28E also allows for emergency opening via the emergency opening button in the fire cell limit.

Unique preload technology for both fail secure and fail safe function

STEP 28E is equipped with our preload technology which offers the following benefits:

- Sealing strips and pressure differences – The preload function ensures that the door can always be unlocked even if the door lock is exerting tension against the electric strike
- Door control – The preload function, combined with the quick unlocking feature, means that the door can be opened quickly without a risk of getting trapped
- Emergency exit door - The preload function ensures that the fire alarm can release the lock, even if there is pressure against the door from a crowd, sealing strips, pressure differences or warped doors



Dimensional diagram STEP 28E without faceplate.

Technical data



Fire approved to A60/E60/EI60

Type approval certificate 0450/01

Power consumption

Fail secure function		Fail safe function	
24 VDC ± 10%	12 VDC ± 10%	24 VDC ± 10%	12 VDC ± 10%
500mA unlocked	1000mA unlocked	267mA max	534mA max
		126mA locked	98mA locked

Article number (Faceplates are featured in the price list and at www.steplock.se)

Art No. for the Connect range	Art No. for the Modular range	Description
ST280-AE*	ST280-CE**	Fail secure function Left 24V DC
ST280-BE*	ST280-DE**	Fail secure function Right 24V DC
ST281-AE*	ST281-CE**	Fail safe function Left 24V DC
ST281-BE*	ST281-DE**	Fail safe function Right 24V DC

NB: STEP 28E is supplied as standard for 24V DC connection. "12" appears after art.no. for 12 V DC connection. E.g. ST280-AE 7 mm 12.

*Connect, select 7 or 9 mm wide hookbolt, e.g. ST280-AE 7 mm

** Modular, select 10 or 12 mm wide bolt, e.g. ST280-CE 10 mm



The door lock must comply with the Scandinavian standard. Deadbolt sashlock in the Connect or Modular range.

- Micro switch single pole alternating
- Max. 30V DC, 1 A
- Built-in indication for detecting that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connecting to entrance systems, alarm systems, etc.
- Breaking strength over 15 kN (1500 kg)
- Guaranteed to open even with seal pressure of 5 kN (500 kg) in fail secure and fail safe function
- Anti-hammer secure
- For use together with approved doors in highest fire resistance class E 60/A 60/EI 60

Suitable lockcases

Deadbolt sashlock in the Connect range

Falling bolt lock in the Modular range

STEP 28E