

Specialist bolts and strikes

ES8000

V-Lock

ASSA ABLOY
Opening Solutions

Application:

The ES8000, also known as the V-lock is a high torque motorised bolt that moves from the vertical position to the horizontal state when locked. The bolt moves into the V shaped strike plate pulling the door aligned with the lock. The high torque motorised bolt can be concealed from view or surface mounted and has the worlds first fail-open motor locking mechanism which eliminates the need and cost of an additional key override function.

Slim design with classic satin stainless steel faceplate, and significant 7mm overall(+/- 3.5mm) door misalignment tolerance make ES8000 a product with great aesthetic appearance as well as easy installation.

Specification:

- Side load - pre load capable lock will unlock with up to 15kg of side pressure, when wired in 3 wire mode. 1 x permanent power (positive 12-24Vdc) wire. Negative (0 volt return) wire, and 1 x switching input (positive 12-24Vdc) wire
- Door misalignment of up to 3.5mm +/-
- Power to Lock (Fail Safe) / Power to Open(Fail Secure) field configurable
- High torque Motorised locking and unlocking(3 wire mode)
- High Speed Operation. Unlocks in less than 1 second
- Surface Mount Accessory Kit. Ideal for 180°swing through glass door applications
- Multiple Orientation – Interior Doors Can be mounted vertically or horizontally(For exterior doors where water ingress is likely ES8000 must be mounted horizontally)
- SSEC Endorsed (Intruder Resistant bracket Required)
- Successfully used in PAS24 security door set tests
- CE marked to EMC Directive
- Fire tested to BS EN 1634-1 for 30 and 60 minute timber

Finish:

- Misaligned doors
- Timber Doors
- Glass Doors
- Aluminium Doors



Standards:

Bolt 11mm diameter, 20.5mm projection

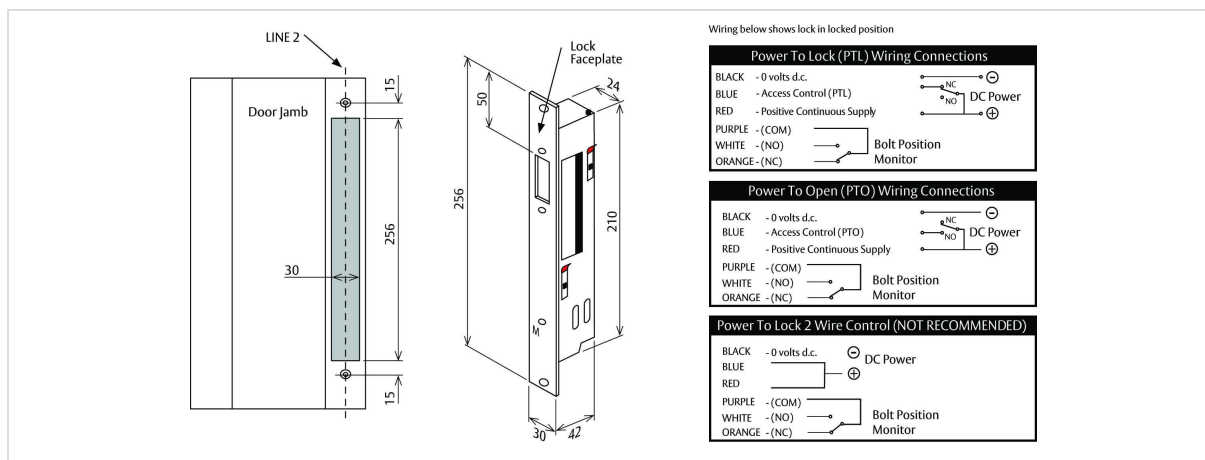
Voltage	12 to 24Vdc, Voltage Tolerance 12V (+15% - 0%) 24V(+/- 15%)
Current	Minimum 1 Amp Regulated Supply
Monitoring	COM, NO, NC Voltage free changeover contacts rated at 48 dc/100mA)
Security	Passed S3 (AS4145.2- 1993)
Strength	Maximum 1000kg (with supported strike plate)
Side Load	Side Load rated: Motorised Unlocking – 15kg max at bolt Fail Safe Unlocking – 3kg max at bolt
Endurance	300,000 operations
Environment	Operational temperature range -20°C to + 60°C
Lock Body	Stainless Steel Lock Body and Faceplate
Bolt	11mm diameter, 20.5mm projection



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Technical Design:



Variants:

Code	Description
118001-010	TRIMEC ES8001-TBAS
118002-010	TRIMEC ES8002-TBAS
218000-000	TRIMEC ES8000-Glass Door Kit
ES8000-IK-FD30	TRIMEC ES8000 V-LOCK INTUMESCENT KIT TO SUIT FD30
ES8000-IK-FD60	TRIMEC ES8000 V-LOCK INTUMESCENT KIT TO SUIT FD60