

EL Series

Electric Cabinet Lock

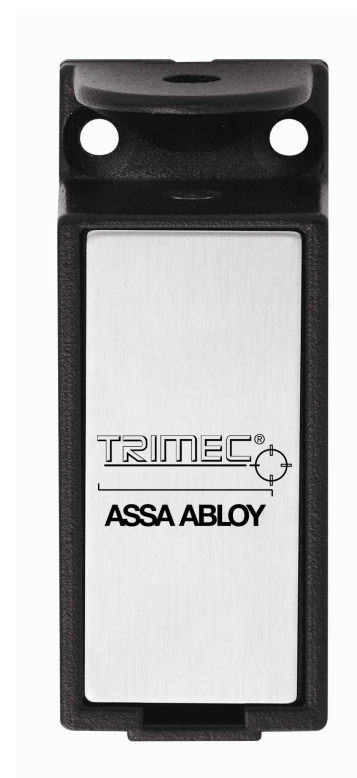
General Description

The EL110 electric cabinet lock is a compact, cast aluminium lock specially designed for cabinets having either swing or sliding doors. The cabinet lock can be surface mounted either vertically or horizontally and offers maximum flexibility for ease of installation.

EL110 can also be controlled by any existing access control system or simply controlled through a remote keypad or keyswitch. The EL110 is cost efficient, robust, easy to install and suitable for one or multiple cabinet applications.

Key Features

- Fail safe/fail secure changeable on site
- Flexible alignment: has a 5mm XY adjustment after installation
- Low current consumption: uses only 187mA @ 12Vdc
- Available in 12 or 24Vdc
- Self latching in fail secure mode
- Solenoid rated for continuous use
- Tricare 5 Year Warranty
- CE marked to EMC Directive



Applications

- Cabinet locking
- Swing or sliding cabinet doors

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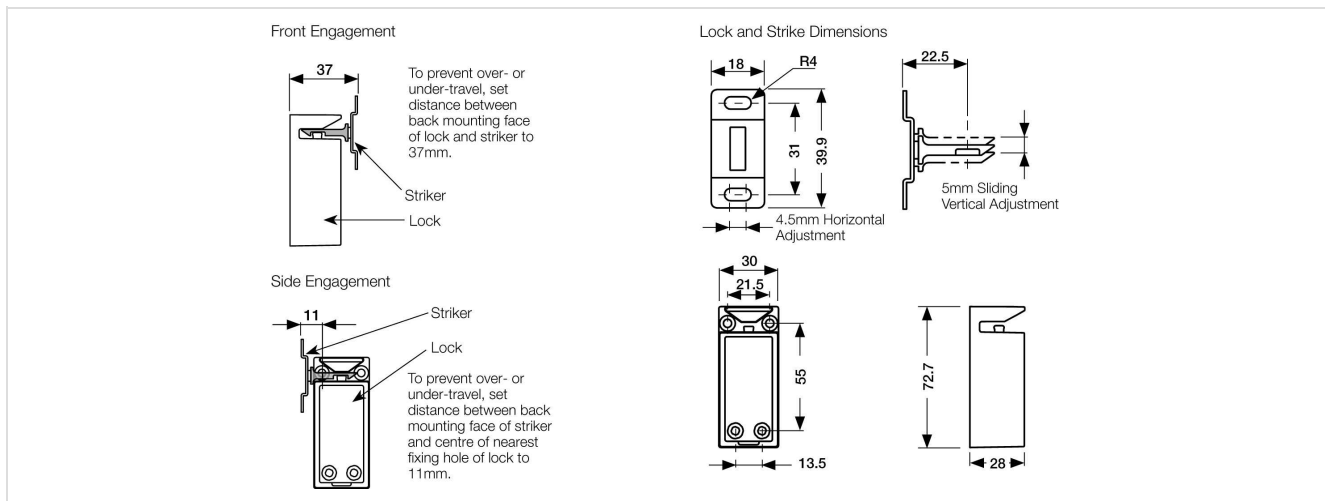
Technical

Voltage	12 or 24Vdc
Current	187 mA @ 12Vdc, 87mA @ 24Vdc
Solenoid	Solenoids are rated for continuous use
Monitoring	None
Strength	Holding Force 150kg
Endurance	Cycle tested to 1,000,000 operations
Environment	Operational temperature range -20°C to +60°C
Body	Cast Aluminium Construction

EL Series

Electric Cabinet Lock

Technical Drawing



Specifications

The strike which is to be surface mounted and constructed of cast aluminium, should be self latching when used in fail secure mode. The lock must be capable of being changed from fail safe to fail secure on site. Lock alignment must be adjustable up to 5mm in both "x" and "y" directions both during and after installation. The lock should consume not greater than 187mA @12Vdc or 87mA @ 24Vdc and have a solenoid rated for continuous use. Electrical certifications must include CE.

Ordering Information

Code	Description
111301-000	TRIMEC EL111-T

ES1 Series

Series Electric Strike

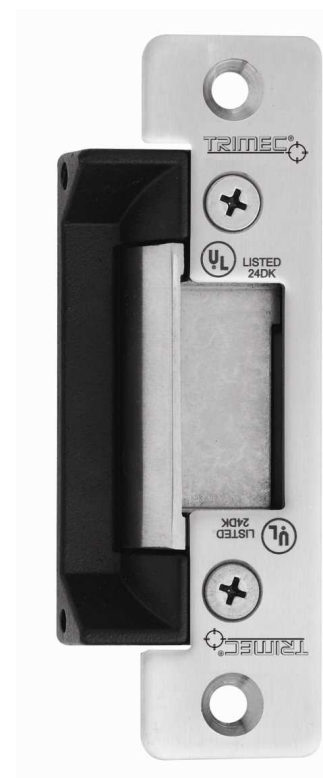
General Description

The ES100 is a cost efficient robust electric strike with a solid construction of one-piece cast aluminium body and stainless steel striker. The ES100 offers the same level of security and reliability usually provided by more expensive electric locking solutions.

Extension lips are available to accommodate the installation of electric strikes on door frames with different thickness. The ES100 product range of patented electric strikes are suitable for use with all access control installations where flexibility, security and lower cost are required.

Key Features

- Fail safe/fail secure changeable on site
- Stainless steel striker for extra strength and durability
- Stainless steel locking pins
- Available in 12 or 24Vdc
- Optional mounting kit
- Installation template
- IP56 weather resistant model as standard
- Suitable For 15mm latch with a 3mm door gap
- Tricare 5 year warranty
- CE marked to EMC Directive..



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Applications

- Exposed areas
- High traffic areas
- Open in/open out doors
- Suitable for use with all access control systems

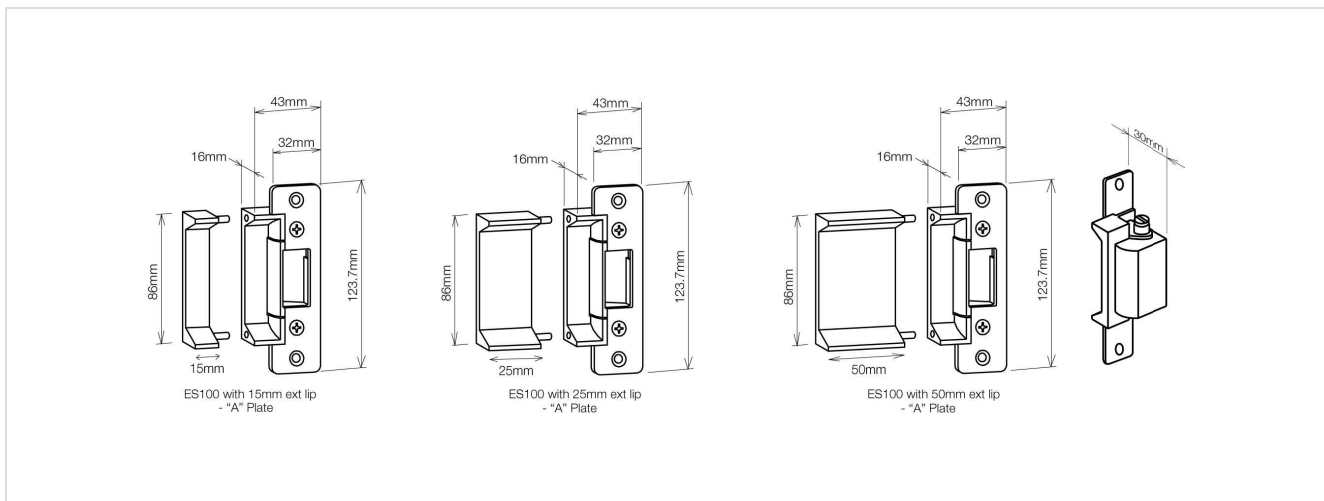
Technical

Voltage	12 or 24Vdc
Current	243 mA @ 12Vdc – 187mA @ 24Vdc
Solenoid	Solenoids are rated for continuous use.
Monitoring	None
Holding Force	680 kg Static Strength Rating
Endurance	Cycle tested to 1,000,000 operations
Environment	Operational temperature range -20°C to + 60°C Weather resistant construction available. (IP56)
Body	Cast Aluminium Construction
Keeper	Stainless Steel
Latch	Suit 15mm latch bolt with 3mm door gap

ES1 Series

Series Electric Strike

Technical Drawing



Specifications

Where Power to Lock and Power to Open functions may be required in the same building, the strike must be interchangeable from either "Power to Lock" or "Power to Open" on site.

The electric strike should not consume current greater than 243mA @ 12Vdc or 187mA @ 24Vdc and have a solenoid suitable for continuous use. Certifications must include CE.

The strike should have a minimum holding force of 680kg, and an endurance rating of 1 million cycles.

Ordering Information

Code	Description
110101-030	TRIMEC ES101-00-WR-TABS
110101-070	TRIMEC ES101-WR-TABS
110103-070	TRIMEC ES103-WR-TABS
220200-518	TRIMEC ES100/110 MOUNTING KIT
220110-502	TRIMEC ES110 15MM EXTENTION LIP
220110-503	TRIMEC ES110 25MM EXTENSION LIP
220110-504	TRIMEC ES110 50MM EXTENSION LIP
210100-523	TRIMEC PL-ES1-TJAA
210100-527	TRIMEC PL-ES1-TGAS
210100-528	TRIMEC PL-ES1-TFAS
210100-530	TRIMEC PL-ES1-TBBS
219100-532	TRIMEC ES100 UK SASH SS SMALL RIGHT
219100-534	TRIMEC ES100 UK SASH SS SMALL LEFT
219100-538	TRIMEC PL-ES1-TDAS EURO-DIN RH
219100-539	TRIMEC PL-ES1-TEAS EURO-DIN RH

ES1 Series

Series Electric Strike

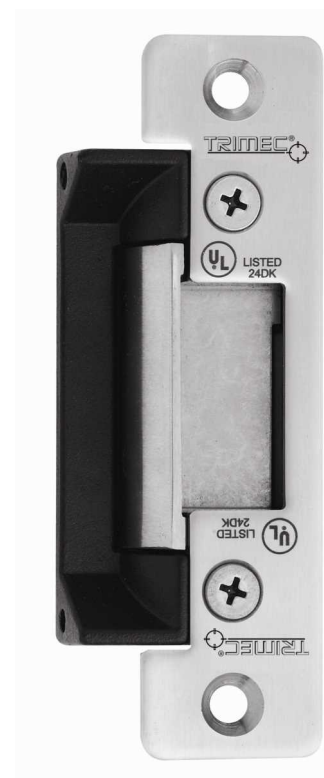
General Description

The ES110 is a cost efficient robust electric strike with a solid construction of one-piece cast aluminium body and stainless steel striker. Having a deeper than normal strike-keeper area, ES110 is designed to work with an extensive range of locks and offers the same level of security and reliability usually provided by more expensive electric locking solutions.

Extension lips are available to accommodate the installation of electric strikes on door frames with different thickness. The ES110 product range of patented electric strikes are suitable for use with all access control installations where flexibility, security and lower cost are required.

Key Features

- Fail safe/fail secure changeable on site
- Stainless steel striker for extra strength and durability
- Stainless steel locking pins
- Available in 12 or 24Vdc
- Optional mounting kit
- Installation template
- IP56 weather resistant model as standard
- Suitable For 18mm latch with a 3mm door gap
- Tricare 5 year warranty
- CE market to EMC Directive



CE TRICARE

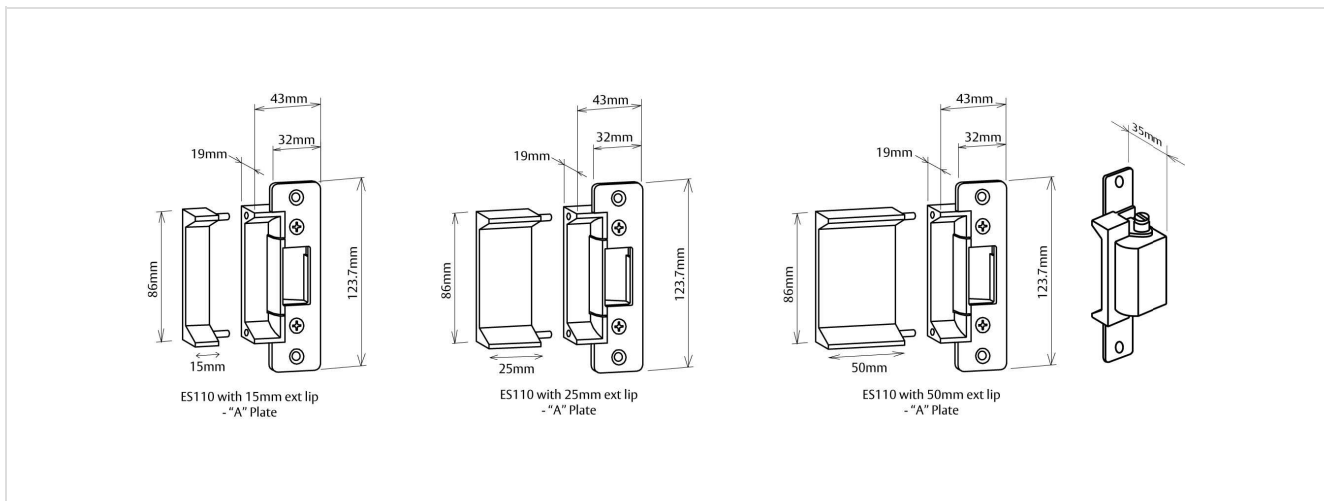
Applications

- Exposed areas
- High traffic areas
- Open in/open out doors
- Suitable for use with all access control systems

Technical

Voltage	12 or 24Vdc
Current	243 mA @ 12Vdc – 187mA @ 24Vdc
Solenoid	Solenoids are rated for continuous use.
Monitoring	None
Holding Force	680kg Static Strength Rating
Endurance	Cycle tested to 1,000,000 operations
Environment	Operational temperature range -20°C to + 60°C Weather resistant construction available. (IP56)
Body	Cast Aluminium Construction
Keeper	Stainless Steel
Latch	Suit 18mm latch with 3mm door gap

Technical Drawing



Specifications

Where Power to Lock and Power to Open functions may be required in the same building, the strike must be interchangeable from either "Power to Lock" or "Power to Open" on site.

The electric strike should not consume current greater than 243mA @ 12Vdc or 187mA @ 24Vdc and have a solenoid suitable for continuous use. Certifications must include CE.

The strike should have a minimum holding force of 680kg, and an endurance rating of 1 million cycles.

Ordering Information

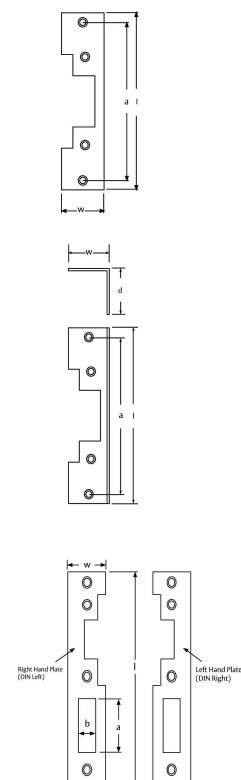
Code	Description
110111-060	TRIMEC ES111 12VDC FAIL UNLOCKED SHORT FACEPLATE - WR IP56
110111-150	TRIMEC ES111-00-WR-THAS
110111-160	TRIMEC ES111 12VDC FAIL UNLOCKED LONG FACEPLATE - WR IP56
110111-190	TRIMEC ES111 12VDC FAIL UNLOCKED SHORT FACEPLATE - LIPLESS
110112-060	TRIMEC ES112 12VDC FAIL LOCKED SHORT FACEPLATE - WR IP56
110112-140	TRIMEC ES112 12VDC FAIL LOCKED LONG FACEPLATE
110113-060	TRIMEC ES113 24VDC FAIL UNLOCKED SHORT FACEPLATE - WR IP56
110113-140	TRIMEC ES113 24VDC FAIL UNLOCKED LONG FACEPLATE
110114-060	TRIMEC ES114-WR-TABS
220200-518	TRIMEC ES100/110 MOUNTING KIT
220110-502	TRIMEC ES110 15MM EXTENSION LIP
220110-503	TRIMEC ES110 25MM EXTENSION LIP
220110-504	TRIMEC ES110 50MM EXTENSION LIP
210100-523	TRIMEC PL-ES1-TJAA
210100-527	TRIMEC PL-ES1-TGAS
210100-528	TRIMEC PL-ES1-TFAS
210100-530	TRIMEC PL-ES1-TBBS
219100-532	TRIMEC ES100 UK SASH SS SMALL RIGHT
219100-534	TRIMEC ES100 UK SASH SS SMALL LEFT
219100-538	TRIMEC PL-ES1-TDAS EURO-DIN LH
219100-539	TRIMEC PL-ES1-TEAS EURO-DIN RH

ES1 Series

Faceplate Options & Accessories

General Description

Note: All face plates are sold separately



Ordering Information

Code	Description
220200-518	TRIMEC ES100/110 MOUNTING KIT
210100-527	TRIMEC PL-ES1-TGAS
210100-528	TRIMEC PL-ES1-TFAS
210100-530	TRIMEC PL-ES1-TBBS
219100-532	TRIMEC ES100 UK SASH SS SMALL RIGHT
219100-534	TRIMEC ES100 UK SASH SS SMALL LEFT
219100-538	TRIMEC PL-ES1-TDAS EURO-DIN LH
219100-539	TRIMEC PL-ES1-TEAS EURO-DIN RH
210100-527	TRIMEC PL-ES1-TGAS
210100-523	TRIMEC PL-ES1-TJAA
210100-528	TRIMEC PL-ES1-TFAS
210100-530	TRIMEC PL-ES1-TBBS
210100-538	TRIMEC PL-ES1-TAAS
219100-532	TRIMEC ES100 UK SASH SS SMALL RIGHT
219100-534	TRIMEC ES100 UK SASH SS SMALL LEFT
220110-503	TRIMEC ES110 25MM EXTENSION LIP
220110-504	TRIMEC ES110 50MM EXTENSION LIP
200110-100	TRIMEC ES110 PINS-SPRING KIT X5 -200110-110 WR PINS SUPPLIED
220200-505	TRIMEC 25MM EXTENSION LIP FOR ES2000/ES2100/ES9000

General Description

ES150 is a surface mounted electric strike suitable for use with rim or surface type dead latches. This strike is easy to install and can be simply controlled by a keypad, keyswitch or integrated into any access control system.

ES150 offers high levels of security and features usually provided by more expensive electric locking solutions. The electric strike can be easily installed on steel and wooden door frames.

Key Features

- Fail safe/fail secure changeable on site
- Easy installation suitable for steel and wooden door frames
- Stainless steel striker for extra strength and durability
- Available in 12Vdc
- Solenoid rated for continuous use
- IP56 weather resistant as standard
- Tricare 5 Year Warranty
- CE marked to EMC Directive



Applications

- Surface or rim mounted applications
- Suitable for use with all access control systems
- Exposed areas

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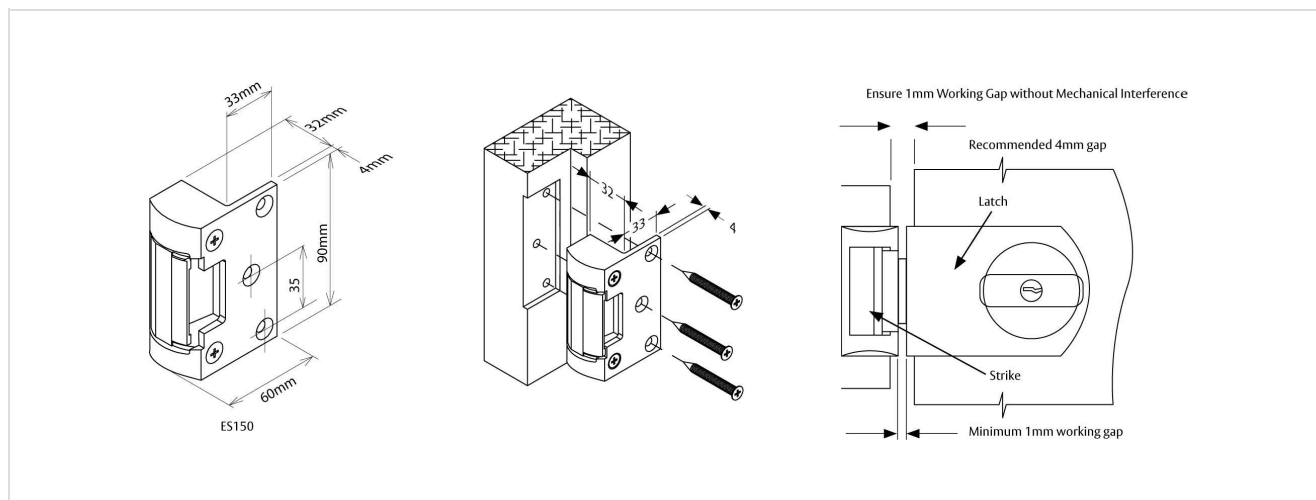
Technical

Voltage	12Vdc
Current	243 mA @ 12Vdc
Solenoid	Solenoids are rated for continuous use.
Monitoring	None
Holding Force	680 kg Static Strength Rating
Endurance	Cycle tested to 1,000,000 operations
Environment	Operational temperature range -20°C to + 60°C Weather resistant construction available. (IP56)
Body	Solid Stainless Steel Construction
Keeper	Stainless Steel
Latch	Suit 15mm latch with 3mm door gap

ES1 Series

Series Surface Mounted Electric Strike

Technical Drawing



Specifications

The electric strike must be suitable for surface mount applications for use with rim or surface mount door locks.

Where Power To Lock and Power To Open functions may be required in the same building, an individual strike is interchangeable from either "Power to Lock" or "Power to Open" on site.

The electric strike should not consume current greater than 243mA @ 12Vdc. Certifications must include CE.

The strike should be tested to 1 million operations and have a minimum holding force not less than 680kg.

Ordering Information

Code	Description
110151-010	TRIMEC ES151-WR-T
110152-010	TRIMEC ES152-WR-T

ES2 Series

Series Electric Strike

General Description

The ES200 series electric strikes are high security products manufactured from solid stainless steel and designed for use with all access control systems. The strikes are suitable for use with hinged doors which require either fire or security control as part of a building management system.

These strikes are flexible and can be changed from fail safe to fail secure, mounted on the left or right hand side of the door and are available in 12 or 24Vdc.

They offer a strong, dependable and long-lasting electric strike solution.

Key Features

- Fail safe/fail secure changeable on site
- High security
- 4 Hour fire rating (Australian Specific)
- 850kg holding force
- 1 million cycles endurance rating
- Cast stainless steel body
- Stainless steel locking pins
- Low Current consumption - Max 175mA @12Vdc 88mA @ 24Vdc
- Mounting kit supplied as standard
- Tricare 5 Year Warranty
- CE marked to EMC Directive



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Applications

- High traffic areas
- Fire rated door sets (Australian Specific)
- Open in/open out doors
- Suitable for use with all access control systems

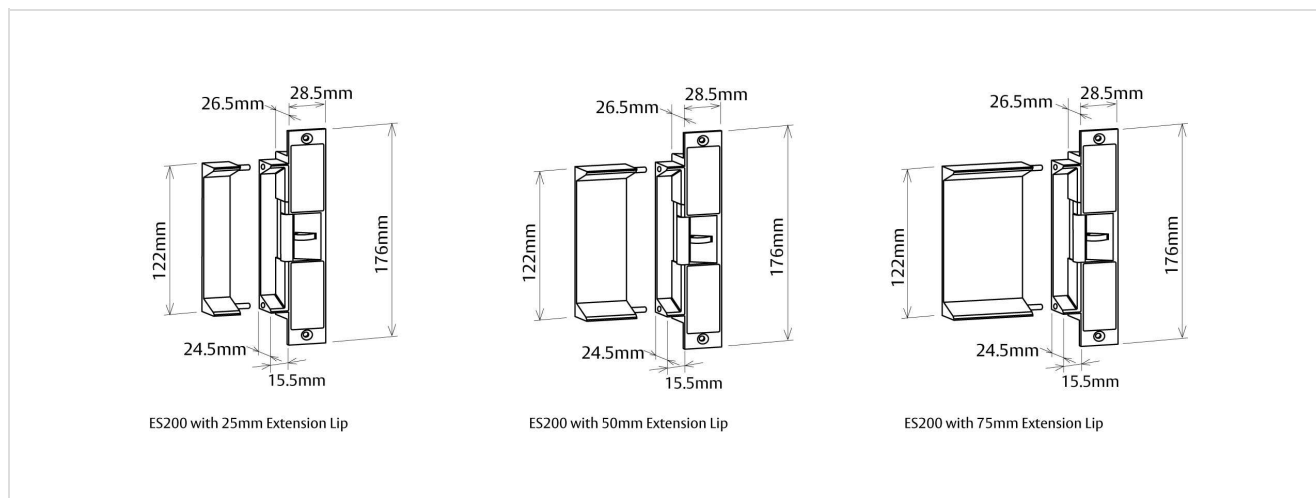
Technical

Voltage	12 or 24Vdc
Current	175 mA @ 12Vdc - 88 mA @ 24Vdc
Solenoid	Solenoids are rated for continuous use.
Monitoring	None
Holding Force	850kg Static Strength Rating
Endurance	Cycle tested to 1,000,000 operations
Latch	Suitable for 15mm latch bolt with 3mm door gap
Environment	Operational temperature range -20°C to +60°C
Body	Solid Stainless Steel Construction
Keeper	Stainless Steel

ES2 Series

Series Electric Strike

Technical Drawing



Specifications

The strike should be constructed of stainless steel, have a minimum holding force of 850kg and have an endurance rating of 1 million cycles. The one strike must be changeable from fail safe to fail secure on site where required. The strike should not consume current greater than 175mA at 12Vdc and have a solenoid rated for continuous use. Certifications must include CE.

Ordering Information

Code	Description
110201-000	TRIMEC ES201-T
110202-000	TRIMEC ES202-T
110203-000	TRIMEC ES203-T

General Description

The ES2000 series electric strikes are monitored high security products manufactured from solid stainless steel and designed for use with all access control systems. The strikes are suitable for use with hinged doors which require security control as part of a building management system.

These strikes are flexible and can be changed from fail safe to fail secure, mounted on the left or righthand side of the door and are available in 12Vdc.

They offer a strong, dependable and long-lasting electric strike solution with a 850kg holding force and endurance rating of 1 million cycles.

Key Features

- Monitored – strike locked and door latched
- Fail safe/fail secure changeable on site
- High security
- 4 Hour fire rating (Australian Specific)
- 850kg holding force
- 1 million cycles endurance rating
- Cast stainless steel body
- Stainless steel locking pins
- Low current consumption - Max 175ma @12Vdc
- Solenoid rated for continuous use
- Mounting kit supplied as standard
- Tricare 5 Year Warranty
- Weather resistant (IP54)
- Built in protection diode
- CE marked to EMC Directive



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Applications

- High traffic areas
- Open in/open out doors
- Fire rated door sets (Australian Specific)
- Suitable for use with all access control systems

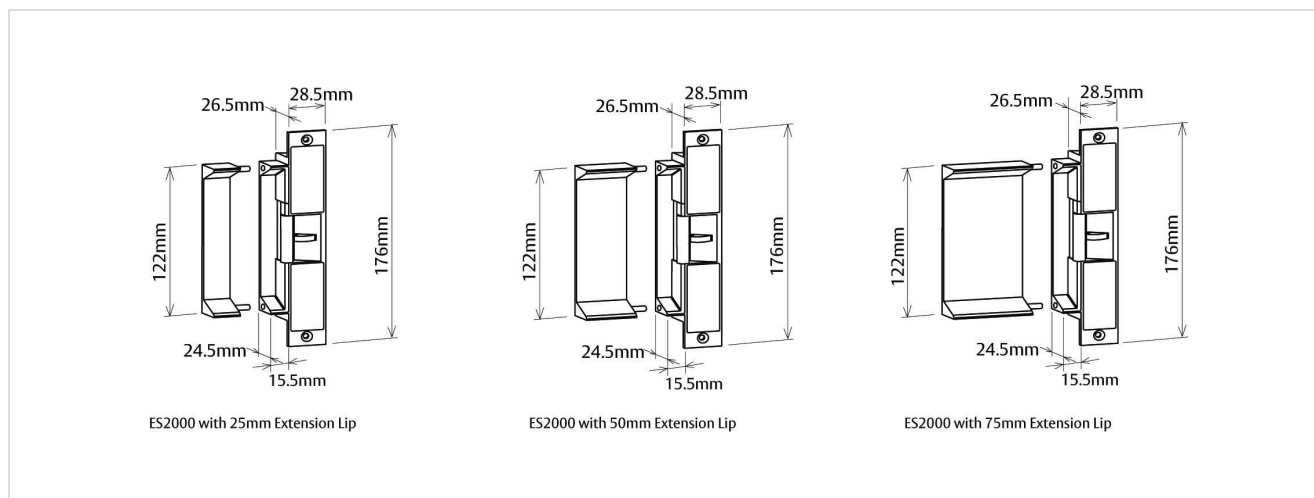
Technical

Voltage	12Vdc
Current	175mA @ 12Vdc
Solenoid	Solenoids are rated for continuous use
Monitoring	Solenoid Monitor - 1amp NO/NC microswitch Door/Latch Monitor - 1 amp NO/NC microswitch
Holding force	850kg static strength rating
Endurance	Cycle tested to 1,000,000 operations
Latch	Suitable for 15mm latch bolt with 3mm door gap
Body	Solid Stainless Steel Construction
Keeper	Stainless Steel
Environment	Operational temperature range -20°C to +60°C

ES2 Series

Series Monitored Electric Strike

Technical Drawing



Specifications

The strike should be constructed of solid stainless steel, have a minimum holding force of 850kg and have an endurance rating of 1million cycles. Monitoring must include independent door / latch and solenoid monitoring. The one strike must be changeable from fail safe to fail secure on site where required. The strike should not consume current greater than 175mA at 12Vdc and have a solenoid rated for continuous use. Certifications must include CE.

Ordering Information

Code	Description
112001-000	TRIMEC ES2001-T
112002-000	TRIMEC ES2002-T
112401-000	TRIMEC ES2401-T

ES2 Series

Series Monitored Electric Strike

General Description

The ES2100 is the latest product to join the iconic Trimec range of electric strikes. Tested in accordance with Australian standards this strike offers superior strength, and is durability tested to 1.5 million operations. Standard features include variable voltage, patented field selectable fail safe/fail secure mode change and a unique integrated door position switch.

Key Features

- Patented field selectable fail safe/fail secure
- Multi voltage 10–30Vdc
- Fully monitored:
 - Integrated door position (reed) switch
 - Solenoid/Locked
 - Latch position
- 1000kg holding force
- 4hr fire rating (Australian Specific)
- Mounting tabs as supplied standard
- Tricare 5 Year Warranty
- CE marked to EMC Directive



Applications

- High traffic areas
- Open in/open out doors
- Suitable for use with all access control systems
- Doors requiring additional door position monitoring

CE TRICARE

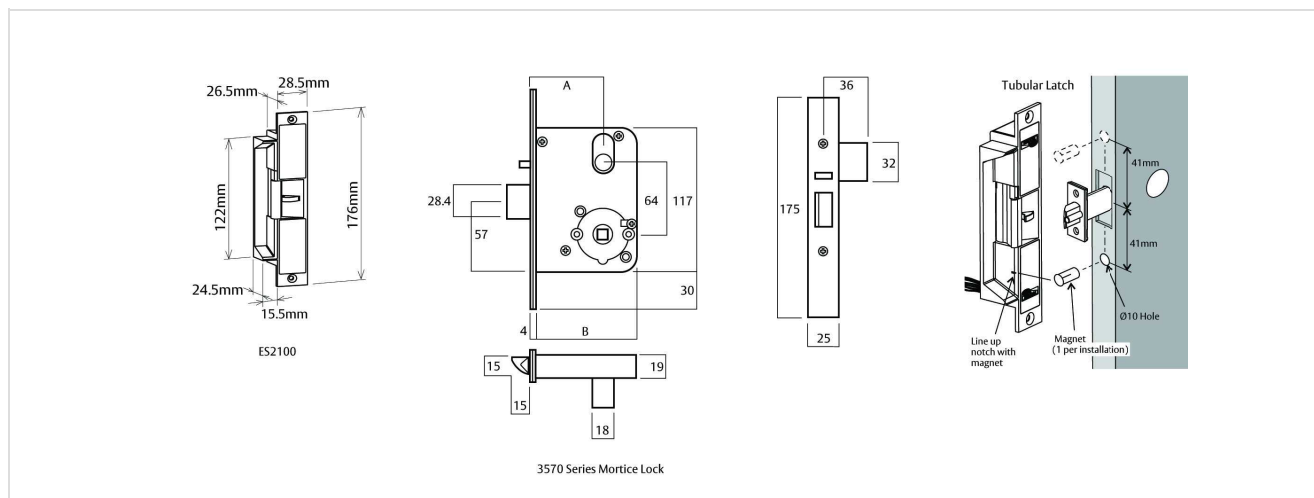
Technical

Voltage	12 or 24Vdc
Current	200mA @ 12Vdc – 120mA @ 24Vdc
Solenoid	Rated for continuous use
Monitoring	Latch Strike locked Door position (reed switch)
Holding force	1000kg static strength rating
Endurance	Cycle tested to 1.5 million operations
Latch	Suitable for 15mm latch bolt with 3mm door gap
Body	Stainless Steel
Keeper	Stainless Steel
Environment	Operational temperature range -20°C to +60°C

ES2 Series

Series Monitored Electric Strike

Technical Drawing



Specifications

The strike should be constructed of solid stainless steel, have a minimum holding force of 1000kg and an endurance rating of 1.5million cycles. Monitoring must include independent latch and solenoid monitoring.

The strike shall have an integrated reed switch for door position monitoring and used in conjunction with Lockwood 3572MAGSC mortice lock or tubular latch with door magnet. Certifications must include CE.

Ordering Information

Code	Description
112100-000	TRIMEC ES2100 MULTIFUNCTION STRIKE 10-30VDC
112100-010	TRIMEC ES2100 MULTIFUNCTION STRIKE 10-30VDC NO LIP
112100-020	TRIMEC ES2100 MULTIFUNCTION STRIKE 10-30VDC 8MM LIP
220200-505	TRIMEC 25MM EXTENSION LIP FOR ES2000/ES2100/ES9000
220200-506	TRIMEC 50MM EXTENSION LIP FOR ES2000/ES2100/ES9000
220200-507	TRIMEC 75MM EXTENSION LIP FOR ES2000/ES2100/ES9000
210100-541	TRIMEC 13MM REBATE PLATE FOR ES2000

General Description

The ES2600 Series surface mounted electric strikes are high security products manufactured from stainless steel and designed to be used with existing and new panic bars fitted to emergency doors.

When used in conjunction with a standard access control system, these strikes convert "Exitonly" doors with "Pullman type" latches into a full access controlled door, thereby allowing authorised access from the secure side. The ES2600 series are fully monitored with both solenoid and latch/door monitoring functions and can be changed from fail safe to fail secure on site.

Key Features

- Fail safe/fail secure changeable on site
- High security
- Available in 12 or 24Vdc
- 650kg holding force
- 1 million cycles endurance rating
- Body depth only 27mm
- Cast stainless steel body
- Low current consumption -max 175Ma @ 12Vdc
- Continuously rated solenoid
- Installation template
- Tricare 5 Year Warranty
- CE marked to EMC Directive



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Applications

- For use with panic bars (should be tested as part of EN1125 where standard in force)
- Surface mount
- Egress doors
- Open out door sets
- Suitable for use with all access control systems

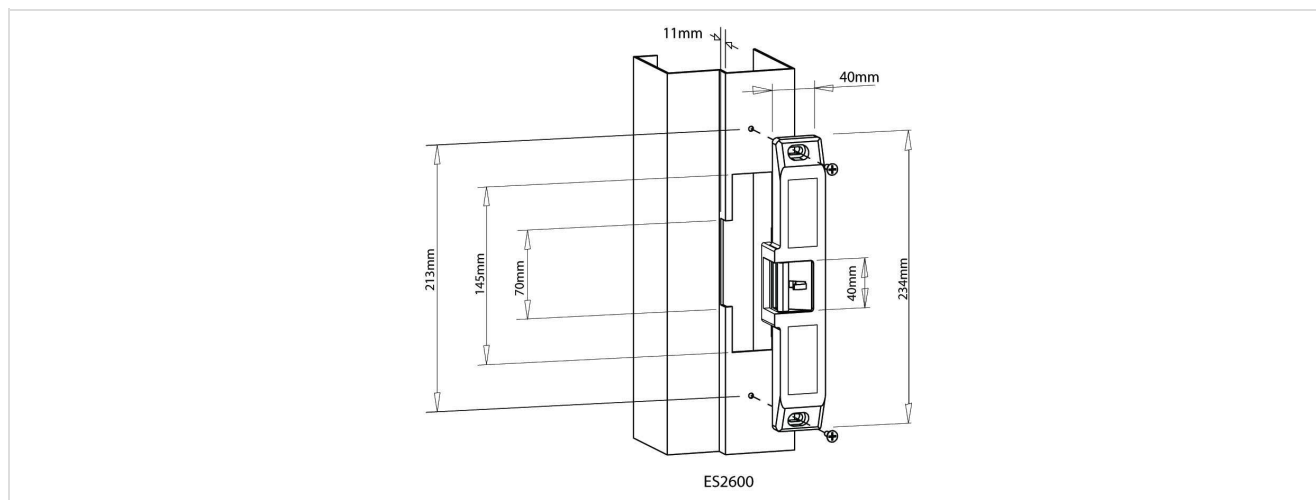
Technical

Voltage	12 or 24Vdc
Current	175mA @ 12Vdc -88mA @ 24Vdc
Solenoid	Solenoids are rated for continuous use.
Monitoring	Solenoid Monitor - 1amp NO/NC microswitch Door/Latch Monitor - 1amp NO/NC microswitch
Holding Force	650kg static strength rating
Endurance	Cycle tested to 1,000,000 operations
Additional	Anti friction roller (patented) Suits panic bars with 15 to 20mm Pullman latch projection
Environment	Operational temperature range -20°C to +60°C
Body	Solid Stainless Steel Construction
Keeper	Stainless Steel
Latch	Suit 15-20mm pullman latch

ES2 Series

Series Monitored Electric Strike

Technical Drawing



Specifications

The strike should be constructed of solid stainless steel, have a minimum holding force of 850kg and have an endurance rating of 1million cycles. The one strike must be changeable from fail safe to fail secure on site where required. The strike should not consume current greater than 175mA @ 12Vdc and have a solenoid rated for continuous use. Certifications must include CE.

Ordering Information

Code	Description
112601-000	TRIMEC ES2601-T

ES3 Series

Series Electric Strike

General Description

The ES300 series electric strikes are designed for high security applications and manufactured from solid stainless steel.

These long ANSI strikes offer a strong dependable and long-lasting electric strike solution and are suitable for use with any access control system.

These strikes are extremely flexible and can be changed from fail safe to fail secure and mounted on the left or right hand side of the door, thus reducing the amount of stock needed to cover each application.

Key Features

- Fail safe/fail secure changeable on site
- Available in 12Vdc
- 850kg holding force
- 1 million cycles endurance rating
- Stainless Steel locking pins
- Continuously rated solenoid
- Optional mounting kit
- Tricare 5 Year Warranty
- CE marked to EMC Directive

Applications

- Timber or metal doors
- Open in/open out doors
- Suitable for use with all access control systems

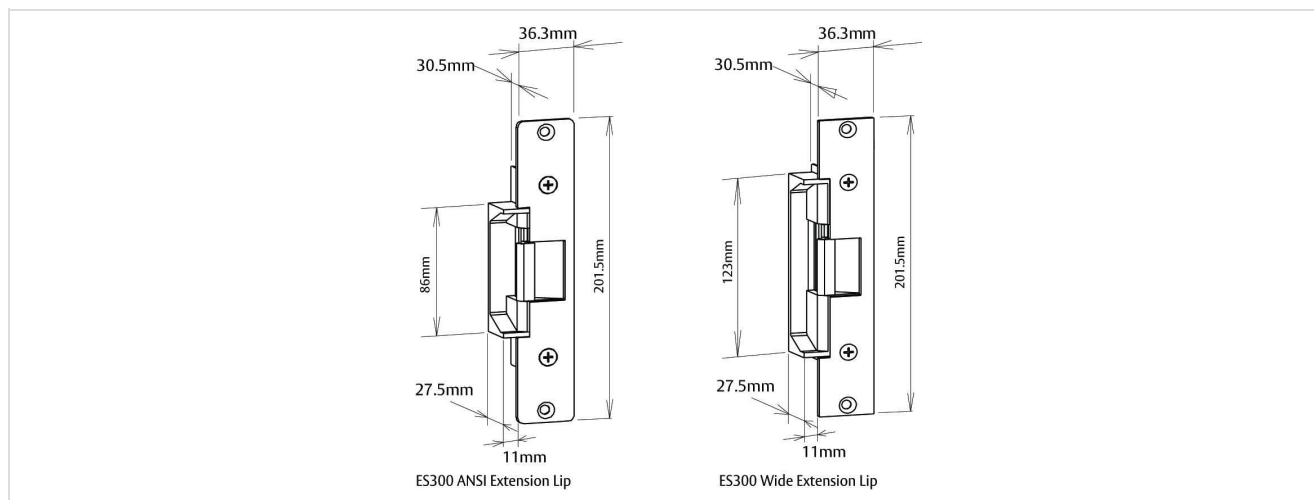
Technical

Voltage	12Vdc
Current	175mA @ 12Vdc
Solenoid	Solenoids rated for continuous use.
Monitoring	None
Holding Force	850kg static strength rating
Endurance	Cycle tested to 1,000,000 operations
Environment	Operational temperature range -20°C to +60°C
Body	Solid Stainless Steel Construction
Keeper	Stainless Steel
Latch	Suit 18mm latch bolt with 3mm door gap



CE UL TRICARE

Technical Drawing



Specifications

The strike should be constructed of solid stainless steel, have a minimum holding force of 850kg and have an endurance rating of 1million cycles. The one strike must be changeable from fail safe to fail secure on site where required. The strike should not consume current greater than 175mA @ 12Vdc and have a solenoid rated for continuous use. Certifications must include CE.

Ordering Information

Code	Description
110321-030	TRIMEC ES321-TBBS-SECFX

ES3 Series

Monitored Series Electric Strike

General Description

The ES3000 series electric strikes are designed for high security applications and manufactured from solid stainless steel. These long ANSI strikes offer a strong dependable and long-lasting electric strike solution and are suitable for use with any access control system. These strikes are extremely flexible and can be changed from fail safe to fail secure and mounted on the left or right hand side of the door, thus reducing the amount of stock needed to cover each application.

Key Features

- Fail safe/fail secure changeable on site
- Available in 12Vdc
- 850kg holding force
- 1 million cycles endurance rating
- Stainless Steel locking pins
- Continuously rated solenoid
- Optional mounting kit
- Tricare 5 Year Warranty
- CE marked to EMC Directive

Applications

- Timber or metal doors
- Open in/open out doors
- Suitable for use with all access control systems



Technical

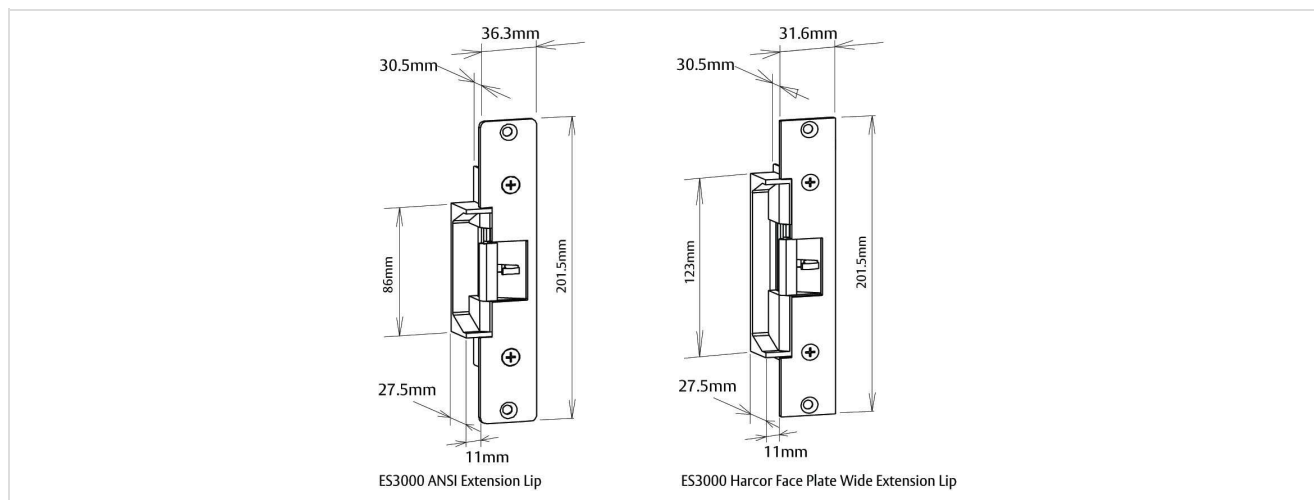
Voltage	12Vdc
Current	175 mA @ 12Vdc
Solenoid	Solenoids are rated for continuous use.
Monitoring	Solenoid Monitor - 1 amp NO/NC microswitch Door / Latch - 1 amp NO/NC microswitch
Holding Force	850kg static strength rating
Endurance	Cycle tested to 1,000,000 operations
Environment	Operational temperature range -20°C to +60°C
Body	Solid Stainless Steel Construction
Keeper	Stainless Steel
Latch	Suit 18mm latch bolt with 3mm door gap



ES3 Series

Monitored Series Electric Strike

Technical Drawing



Specifications

The strike should be constructed of solid stainless steel, have a minimum holding force of 850kg and have an endurance rating of 1million cycles. Monitoring must include independent door / latch and solenoid monitoring. The one strike must be changeable from fail safe to fail secure on site where required. The strike should not consume current greater than 175mA @ 12Vdc and have a solenoid rated for continuous use. Certifications must include CE.

Ordering Information

Code	Description
113101-000	TRIMEC ES3101-TBBS

ES9 Series

Series Pre-Load Strike

General Description

The ES9000 has been designed to suit the harshest commercial environments, and has the unique feature of the ability to operate with up to 25kg of pre-load pressure on the keeper. Pre-load is a common condition that caused by pulling on a door before it unlocks, the weight of warped or drooping doors, seals on fire doors, or by differential air pressure created when heating and cooling systems are in use.

Standard features include multi voltage 10 - 30Vdc and field changeable settings from fail safe to fail secure.

Built to last, this is a premium locking solution that has been tested in excess of 2 million cycles and boasts unique features like no other available on the market today.



Key Features

- Operates under pre load up to 25kg
- Easy field selectable fail safe/fail secure
- Multi voltage 10-30Vdc
- 1300kg holding force
- 2.5 million cycles endurance rating
- Latch keeper is significantly quieter in operation
- Weather resistant (IP54)
- Built in protection diode
- Mounting tabs as standard
- Non handed
- Tricare 5 Year Warranty
- CE marked to EMC Directive

CE TRICARE

Applications

- High traffic areas
- Doors subjected to side load (pre load)
- Fire rated door sets (Australian Specific)
- Open in/open out doors
- Suitable for use with all access control systems

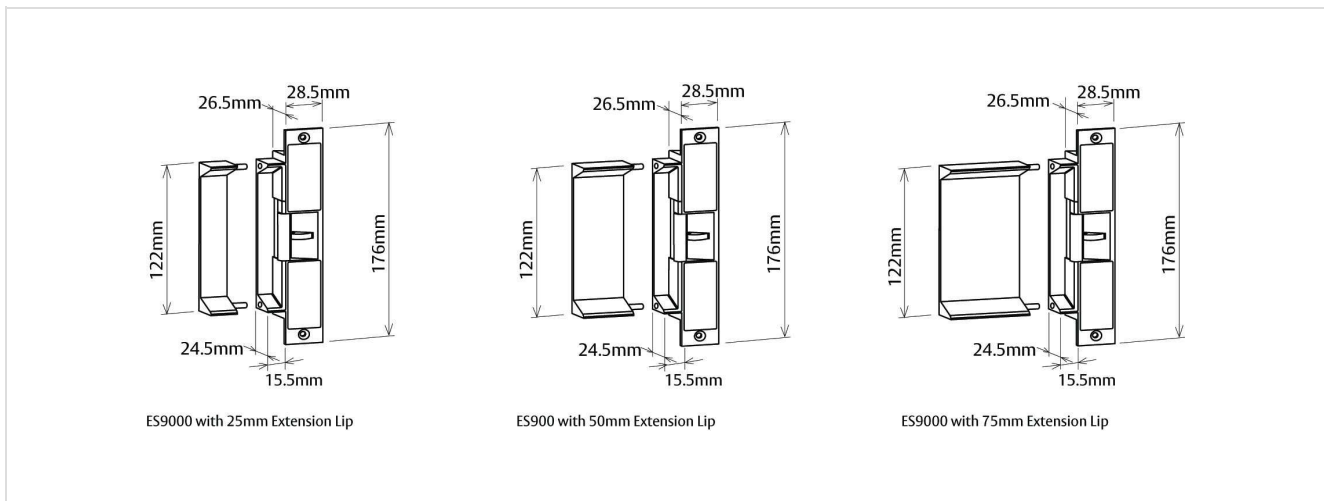
Technical

Voltage	10 – 30Vdc
Current	250mA @12Vdc – 130mA @24Vdc
Solenoid	Solenoids are rated for continuous use.
Electrical protection	Polarity and back EMF protected
Monitoring	Solenoid Monitor - 1 amp NO/NC microswitch Door / Latch - 1 amp NO/NC microswitch
Holding Force	1300kg static strength rating
Endurance	1,200,000 cycles endurance rating @ 25kg pre-load 2,500,000 cycles general durability without pre-load conditions
Latching	Suitable for 15mm latch with 3mm door gap
Environment	Operational temperature range -20°C to +60°C
Body	Solid Stainless Steel Construction
Keeper	Stainless Steel

ES9 Series

Series Pre-Load Strike

Technical Drawing



Specifications

The electric strike should be fully monitored and have independent door / latch and solenoid monitor switches. Holding force for the strike should be not less than 1300kg.

Where Power to Lock and Power to Open functions may be required in the same building, a single electric strike should be interchangeable from either fail safe or fail secure from the rear of the strike.

The electric strike should not consume current greater than 250mA @ 12Vdc and have a solenoid rated for continuous use. A fire rating not less than 4 hours is required where applicable. The strike must be capable of operating with up to 25kg of pre-load pressure applied to the keeper, be tested to 2.5 million operations and carry a minimum warranty of 5 years.

Ordering Information

Code	Description
119001-000	TRIMEC ES9000 PTO/PTL
119001-010	TRIMEC ES9000 PTO/PTL - NO EXTENSION LIP
119001-020	TRIMEC ES9000 PTO/PTL - 8MM EXTENSION LIP
119001-060	TRIMEC ES9000 PTO/PTL - EXTENSION LIP HOLES
220200-505	TRIMEC 25MM EXTENSION LIP FOR ES2000/ES2100/ES9000
220200-506	TRIMEC ES2100 50MM Extension lip

Drop Bolts

Drop Bolt

General Description

The TB25 range of drop bolts represent true engineering innovation, design excellence and the superior quality customers have come to expect and demand from Trimec®. Designed for use on swing-through, double action doors, these drop bolts are ideal for applications where an electric strike is impractical.

Key Features

- High Security. Bolt is deadlocked in the extended position
- Bolt position monitored
- Door position monitor with integrated magnet into the strike plate (no need to install a separate reed switch)
- Multiple orientation, drop bolts will work horizontally or vertically
- Power to Lock/ Power to Open
- Continuously Rated Solenoid
- Tamper Proof. Lock cannot be defeated by slipping a metal object between lock and striker plate
- Intelligent Electronics. These intelligent bolts will attempt to re-close the bolt 8 times, allowing time for swing through doors to settle in the closed position
- Thermal Protection. In the event of solenoid overheat, a thermal fuse will operate, eliminating any fire risk
- CE marked to EMC Directive



CE TRIMEC®

Applications

- Glass doors
- Timber Doors

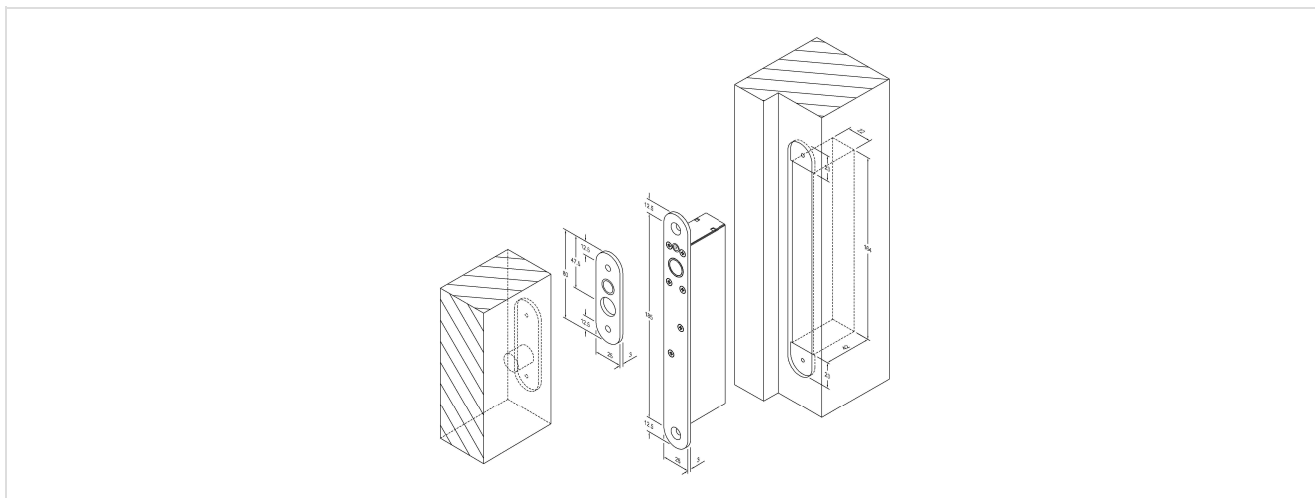
Technical

Voltage	12 or 24Vdc
Current (Start)	1100mA @ 12V, 1000mA @ 24V
Current (Holding)	210mA @ 12V, 90mA @ 24V
Holding Force	1000kg
Locking Mode	PTL & PTO
Dimensions (Mortice)	164 x 22mm
Bolt Length	12.7 x 16mm
Faceplate Size	10 x 25mm
Monitoring Contacts	Bolt & Door

Drop Bolts

Drop Bolt

Technical Drawing



Specifications

The bolt must be able to operate in horizontal and vertical orientations. The position of the bolt must be monitored as well as have an integrated reed switch for door position monitoring. The electronic functions must include: 8 x lock and unlock attempts, 8 second unlock delay, automatic relock after 8 seconds, power reduction circuitry to limit the holding current, and a one time thermal fuse cut-out in case of solenoid overheating. Locking function can be converted from Power to Lock (PTL) to Power to Open (PTO). The faceplate and strike plate must be finished in stainless steel.

Ordering Information

Code	Description
188251-010	TRIMEC TB25SQ PTL DROPBOLT
188251-020	TRIMEC TB25SQS PTL DROPBOLT
188252-010	TRIMEC TB25SQ PTO DROPBOLT
188252-020	TRIMEC TB25SQS PTO DROPBOLT
TB25-SMHK	TRIMEC TB25 SURFACE MOUNT KIT

Drop Bolts

Drop Bolt

General Description

The TB25KO range of drop bolts represent true engineering innovation, design excellence and the superior quality customers have come to expect and demand from Trimec®. Designed for use on swing-through, double action doors, these drop bolts are ideal for applications where an electric strike is impractical. The TB25KO offer a unique mechanical override with an integrated euro profile cylinder for PTO applications.

Key Features

- High Security. Bolt is deadlocked in the extended position
- Mechanical key override in the event of power failure. (Euro Profile Cylinder)
- Bolt position monitored
- Door position monitor with integrated magnet into the strike plate (no need to install a separate reed switch)
- Multiple orientation, drop bolts will work horizontally or vertically
- Power to open only
- Continuously Rated Solenoid
- Tamper Proof. Lock cannot be defeated by slipping a metal object between lock and striker plate
- Intelligent Electronics. These intelligent bolts will attempt to re-close the bolt 8 times, allowing time for swing through doors to settle in the closed position
- Thermal Protection. In the event of solenoid overheat, a thermal fuse will operate, eliminating any fire risk
- CE marked to EMC Directive



CE TRIMEC®

Applications

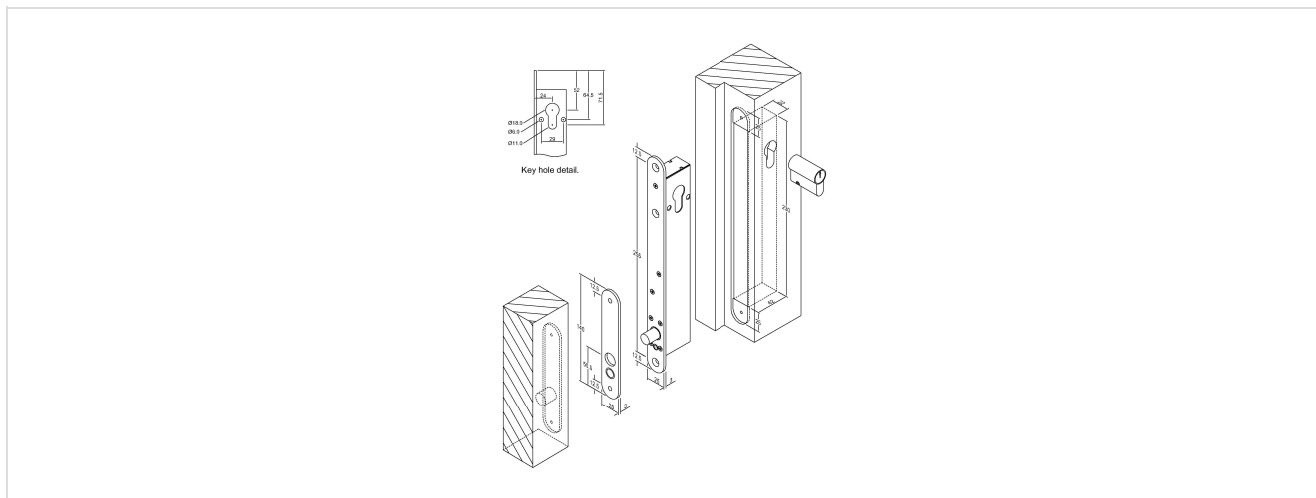
- Glass doors
- Timber Doors

Technical

Voltage	12 or 24Vdc
Current (Start)	1100mA @ 12V, 1000mA @ 24V
Current (Holding)	210mA @ 12V, 90mA @ 24V
Holding Force	1000kg
Locking Mode	PTO ONLY
Dimensions (Mortice)	164 x 22mm
Bolt Length	12.7 x 16mm
Faceplate Size	10 x 25mm
Monitoring Contacts	Bolt & Door

Drop Bolt

Technical Drawing



Specifications

The bolt must be able to operate in horizontal and vertical orientations. The position of the bolt must be monitored as well as have an integrated reed switch for door position monitoring. The electronic functions must include: 8 x lock and unlock attempts, 8 second unlock delay, automatic relock after 8 seconds, power reduction circuitry to limit the holding current, and a one time thermal fuse cut-out in case of solenoid overheating. Locking function can be converted from Power to Lock (PTL) to Power to Open (PTO). The faceplate and strike plate must be finished in stainless steel.

Ordering Information

Code	Description
188252-510	TRIMEC TB25KOSQ PTO DROPBOLT
188251-510	TRIMEC TB25KOSQ PTL DROPBOLT

Drop Bolts

Drop Bolt

General Description

The TB38 range of drop bolts represent true engineering innovation, design excellence and the superior quality customers have come to expect and demand from Trimec®. Designed for use on swing-through, double action doors, these drop bolts are ideal for applications where an electric strike is impractical.

Key Features

- High Security. Bolt is deadlocked in the extended position
- Bolt position monitored
- Door position monitor with integrated magnet into the strike plate (no need to install a separate reed switch)
- Multiple orientation, drop bolts will work horizontally or vertically
- Power to Lock/ Power to Open
- Continuously Rated Solenoid
- Tamper Proof. Lock cannot be defeated by slipping a metal object between lock and striker plate
- Intelligent Electronics. These intelligent bolts will attempt to re-close the bolt 8 times, allowing time for swing through doors to settle in the closed position
- Thermal Protection. In the event of solenoid overheat, a thermal fuse will operate, eliminating any fire risk
- CE marked to EMC Directive



CE TRIMEC®

Applications

- Glass doors
- Timber Doors

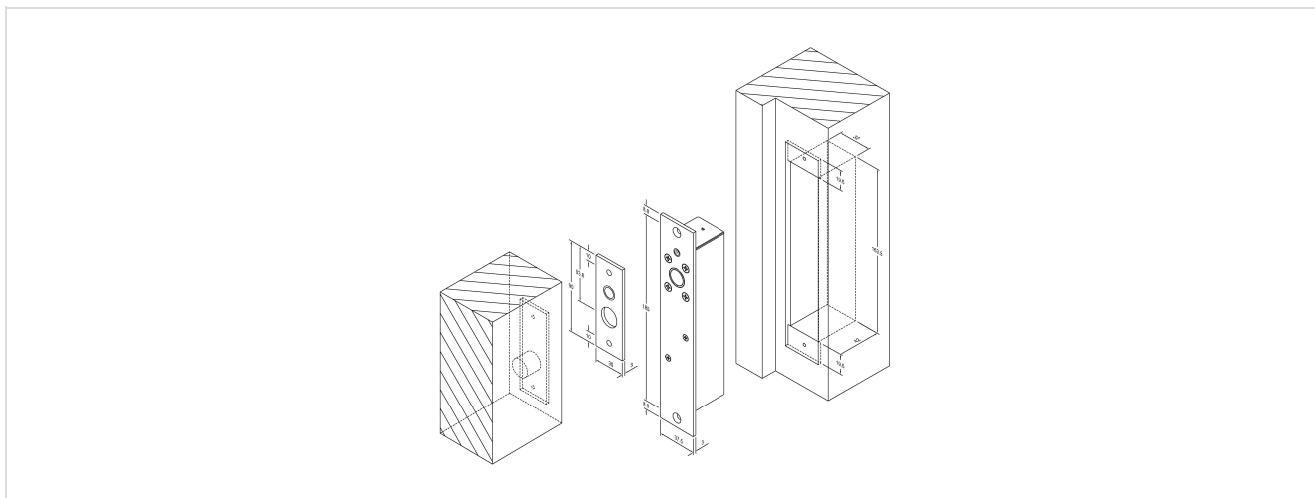
Technical

Voltage	12 to 24V
Current (Start)	1400mA @ 12V, 1100mA @ 24V
Current (Holding)	260mA @ 12V, 105mA @ 24V
Holding Force	2000kg
Locking Mode	PTL & PTO
Dimensions (Mortice)	164 x 33mm
Bolt Length	14.3 x 14mm
Faceplate Size	202 x 38mm
Monitoring Contacts	Bolt & Door

Drop Bolts

Drop Bolt

Technical Drawing



Specifications

The bolt must be able to operate in horizontal and vertical orientations. The position of the bolt must be monitored as well as have an integrated reed switch for door position monitoring. The electronic functions must include: 8 x lock and unlock attempts, 8 second unlock delay, automatic relock after 8 seconds, power reduction circuitry to limit the holding current, and a one time thermal fuse cut-out in case of solenoid overheating. Locking function can be converted from Power to Lock (PTL) to Power to Open (PTO). The faceplate and strike plate must be finished in stainless steel.

Ordering Information

Code	Description
188381-010	TRIMEC TB38SQ 12-24VDC PTL DROPBOLT
188382-000	TRIMEC TB38SQ 12-24VDC PTO DROPBOLT

General Description

ES6000 Hook Lock is suitable for swinging doors, sliding doors and is easily attached to wood or steel door frames. ES6000 is heavy duty designed with its high pre load (side load) capability of up to 300 kg, high holding force of up to 700 kg. Both Power to Open and Power to Lock models are available.

The ES6000 is available in both recess and surface mounted versions.

The ES6000 recess mounted version is completed with elegant satin stainless steel faceplate. The surface mounted version is completed with a cast aluminium cover.

ES6000 can be mounted vertically and horizontally, with self-latching ability without power for fire applications.



Key Features

- Power to Open or Power to Lock versions available
- Side Load (Pre-Load) Capable: Operates freely with up to 300 kg of side pressure
- Self Latching: Will self latch without power for fire applications
- 680kg holding force
- Robust Construction: Stainless steel components used
- Low Profile: Will protrude only 40mm into door headroom
- Multi Voltage: Automatic selection 12 to 30Vdc with back EMF protection and reverse polarity protection
- Multi Orientation: Can be mounted vertically or horizontally
- Low Current Consumption
 - 12VDC- 250mA after 1 sec. (initial current 830mA)
 - 24VDC- 140mA after 1 sec.(initial current 530mA)
- Monitored: locked and unlocked
- Tested to 300kg pre load capability

Applications

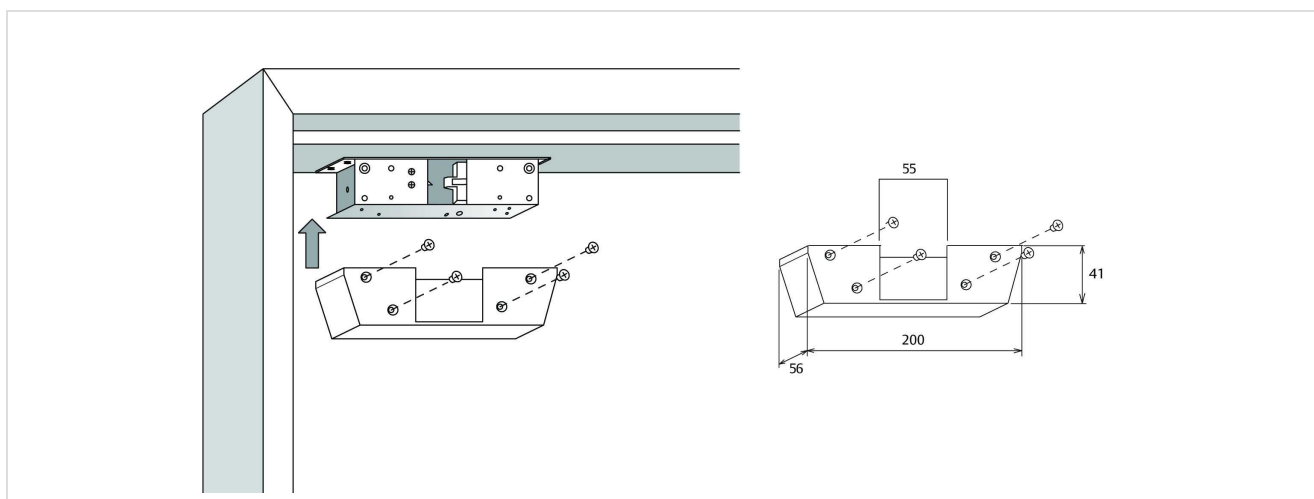
- Heavy Duty Applications
- Sliding & Swing door applications
- High Air Pressure Environments (High Pre Load rating)

TRICARE

Technical

Voltage	Supply Voltage 12-30Vdc Ground (OV)
Current	12Vdc – 250 mA after 1 sec. (initial current 830 mA) 24Vdc – 140 mA after 1 sec. (initial current 530 mA)
Monitoring	Door locked (Solenoid) – Door Closed (Latch)
Strength	1500 lbs. (680kg) static strength rating 70 foot-lbs. dynamic strength rating
Endurance	250,000 cycles endurance testing Internal Testing achieved: 2,000,000 cycles of operation
Pre-Load	660lbs (300kg) pre-load capability
Environment	Operational temperature range: -20°C to + 60°C
Lock Body	Cast Aluminium Construction
Lock Body	Solid Stainless Steel Construction
Lock Bolt	Solid Stainless Steel

Technical Drawing



Specifications

This lock must be able to operate with up to 300kg of pre load pressure, with a holding force of 700kg. The lock must be multi voltage selection 12 - 30 Volts with back EMF protection for reverse polarity. Lock can be mounted both horizontally or vertically. The lock need to be subjected to vigorous testing and a minimum of 2,000,000 cycles need to be achieved.

Ordering Information

Code	Description
116001-010	TRIMEC ES6001S-TA SURFACE HOOKBOLT
116002-010	TRIMEC ES6002S-TA SURFACE HOOKBOLT

General Description

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.

[To see the V-lock in operation, click here](#)

Key Features

- 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)
- SCEC Endorsed (Intruder Resistant bracket Required)
- Successfully used in PAS24 security door set tests
- CE marked to EMC Directive

Applications

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

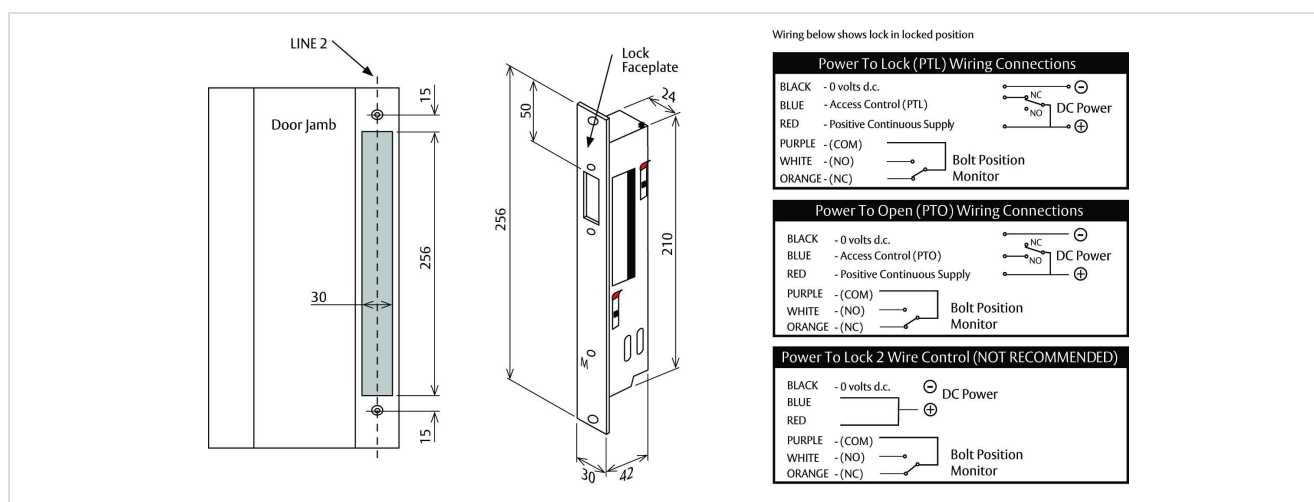


CE TRIMEC

Technical

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

Technical Drawing



Specifications

The lock must be a high torque motorised bolt with Pre load tolerance. The strike plate must be shaped in a V format to accommodate for misaligned doors. Lock will unlock with up to 15kg of side pressure and will be powered with 12-24v and draw no more than 1000mA. The lock must be configurable for Power to Lock (Fail Safe) or Power to Open (Fail Secure). The lock must be triggered with a magnet positioned in strike plate, and be monitored for locked unlocked and door position.

Ordering Information

Code	Description
118001-010	TRIMEC ES8001-TBAS
118002-010	TRIMEC ES8002-TBAS
218000-000	TRIMEC ES8000-Glass Door Kit
118001-010-25	ES8001-TBAS V-LOCK-25MM STRIKEPLATE