

# Door Entry Direct

## TB25 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

### Applications

- Glass doors
- Timer Doors



### Standards and Compliance



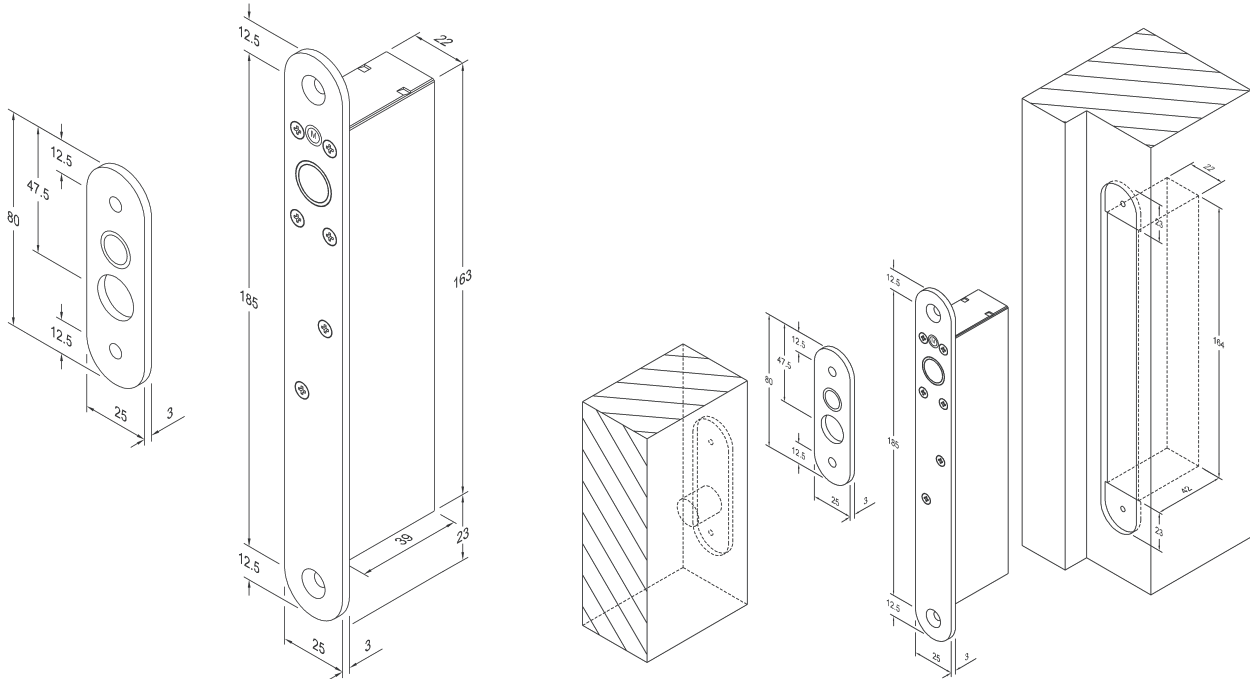
British Standard BSEN 50081-1  
BSEN 50082-1



CE Approved

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### TB25 Drop Bolt Technical Information

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

### Specification Statement

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

Product Description	Part Number
TB25 12-24VDC Fail Safe - Dropbolt	118251-000
TB25 12-24VDC Fail Secure - 25mm FP	118252-000
TB25 12-24VDC Fail Safe	188251-010
TB25 12-24VDC Fail Safe - Square Corners	188251-020
TB25 12-24VDC Fail Secure	188251-010
TB25 12-24VDC Fail Safe	188252-010
TB25 12-24VDC Fail Safe - Square Corners	188252-020