

YD25 & YD38

SOLENOID SERIES

The BQT Solenoid Series features five low voltage electronic deadbolt door locks, specifically designed for high-usage pedestrian doors. Each lock in the series has its own unique benefits, but all share a commitment to exceptional reliability and ease of use.

These locks are ideal for commercial applications and can be seamlessly integrated with access control systems, providing traffic reports when needed. The variety of form factors offers flexibility, allowing specifiers to select the best lock to match specific door types or operational requirements.





BENEFITS

01

All BQT Solenoid Locks are exceptionally durable and reliable, rated for over 1,000,000 cycles, ensuring consistent performance in access controlled environments.

02

While the Solenoid Series share a common foundation, each lock offers unique features; such as a slimline design for narrow doors, latching for swing-through doors, or a manual override option, ensuring the perfect fit for any application.

03

Offering feedback to the control panel of the door and bolt positions is a standard feature of the BQT Solenoid Locks and vital information to ensure a site is safe and secure.

04

Morticing a BQT Solenoid Lock into the door frame preserves the architectural aesthetics of the entrance and building, as the lock remains completely hidden when the door is closed.

FEATURES



High Security

The YD25 Locks, with Ø12.7mm (1/2 inch) bolt pins, boast a holding force in excess of 10,000N (2,250 lbf), while the YD38 Locks, equipped with Ø14.2mm (9/16 inch) bolt pins, achieve a holding force of 20,000N (4,500 lbf).



Low Current Consumption

All BQT Solenoid Locks include a standby mode that significantly reduces current draw while maintaining the locked state. The YD25 Locks draw only 160mA in holding current, and the YD38 Locks require just 230mA at 12VDC.



Door Correcting

The YD25L and YD38L incorporate innovative magnetic latching mechanisms to help ensure the door is in the correct closed position. This ensures any door rattle is removed for single acting doors.



Complete Monitoring

BQT Solenoid locks output both bolt and door positions as monitor signals, with the YD25K model additionally providing key position signals. These signals integrate with access control systems, delivering crucial information about the lock and door status to ensure facility safety and security.



Versatile Installation

BQT Solenoid Locks can be morticed flush into door frames or surface-mounted using optional housing and dress plates. These accessories, equipped with self-adhesive tape, allow for easy installation on glass doors and frames. Each lock comes with a matching strike plate for a complete and secure setup.



Integrated Access Control

The Solenoid Series offers factory-set fail-safe and fail-secure variants, along with multiple attempts to lock or unlock. This makes them versatile for a wide range of applications and easily integrable with access control alarm systems.



Durability

Tested for endurance over 1,000,000 cycles, all locks in the BQT Solenoid Series ensure durability and safety in high-traffic environments.



Certified

All BQT Solenoid Locks have been certified for global use including being CE, FCC and RCM compliant.

SPECIFICATIONS



YD25
Narrow Doors



YD25L
Narrow Doors, Self Latching



YD25K
Manual Override



YD38
High Security



YD38L
High Security, Self Latching

Door Gap

6mm (1/4 inch) maximum

Static strength

YD25 Locks: 10,000N (2,250 lbf)

YD38 Locks: 20,000N (4,500 lbf)

Endurance

Cycle tested to 1,000,000 operations

Bolt Pin

YD25 Locks: Ø12.7mm (1/2 inch)
16mm (5/8 inch) extension

YD38 Locks: Ø14.2mm (9/16 inch)
14mm (9/16 inch) extension

Voltage at lock

12-24VDC ±10%

Monitor switches

All locks: Bolt and Door Position

YD25K: Additional Key Position

30VDC max, 100mA max

Compliance & Certification

- CE Compliant, RoHS 2 Compliant
- FCC Part 15 / IC Compliant
- RCM Compliant,

Environment

IP53

Materials

Lock/Strike Plate, Bolt Pin: Stainless Steel 304

Locks

YNL101A - YD25 Fail Safe Lock & Strike

YNL102A - YD25 Fail Secure Lock & Strike

YNL131E - YD25L Fail Safe Lock & Strike

YNL132E - YD25L Fail Secure Lock & Strike

YNL141A - YD25K Fail Safe Lock & Strike

YNL142A - YD25K Fail Secure Lock & Strike

YNL171C - YD38 Fail Safe Lock & Strike

YNL172C - YD38 Fail Secure Lock & Strike

YNL181G - YD38L Fail Safe Lock & Strike

YNL182G - YD38L Fail Secure Lock & Strike

APPLICATIONS

The BQT Solenoid Series is ideal for high-traffic pedestrian doors where reliability and architectural finish are paramount.

Commonly installed as mortice locks on office doors, these locks are also perfect for glass doors where security, convenience, and appearance are crucial. Suitable across all market sectors, the BQT Solenoid Series delivers exceptional performance and aesthetic appeal.



MODEL COMPARISON

NAME	APPLICATION	LIFECYCLE	HOLDING FORCE	LOCK DIMENSIONS	BOLT PIN DIMENSIONS	POWER USAGE
YD30S (COBALT SINGLE)	Single acting doors, correcting misalignment, releasing under sideload pressure	1,000,000	1,000kg (2,200lbf)	160 x 30 x 47mm (6 19/64 x 1 3/16 x 1 27/32")	10mm (3/8") thick, 13mm (1/2") extension	Input Voltage: 12-24VDC ± 15% Current: Standby 40mA@12V, Peak 0.75A@12V
YD30D (COBALT DOUBLE)	Double acting doors, correcting misalignment, releasing under sideload pressure	1,000,000	1,000kg (2,200lbf)	255 x 30 x 47mm (10 3/64 x 1 3/16 x 1 27/32")	10mm (3/8") thick, 13mm (1/2") extension, (2 pieces)	Input Voltage: 12-24VDC ± 15% Current: Standby 40mA@12V, Peak 0.75A@12V
YD25	Single acting doors, slim profile, high usage	1,000,000	1,000kg (2,200lbf)	210 x 25 x 43mm (8 17/64 x 1 x 1 11/16")	Ø 12.7mm (1/2"), 16mm (5/8") extension	Input Voltage: 12-24VDC ± 10% Current: Standby 160mA@12V, Peak 1.25A@12V
YD25L	Double acting doors, slim profile, high usage	1,000,000	1,000kg (2,200lbf)	210 x 25 x 43mm (8 17/64 x 1 x 1 11/16")	Ø 12.7mm (1/2"), 16mm (5/8") extension	Input Voltage: 12-24VDC ± 10% Current: Standby 160mA@12V, Peak 1.25A@12V
YD25K	Single acting doors, slim profile, manual override	1,000,000	1,000kg (2,200lbf)	280 x 25 x 43mm (11 11/32 x 1 x 1 11/16")	Ø 12.7mm (1/2"), 16mm (5/8") extension	Input Voltage: 12-24VDC ± 10% Current: Standby 160mA@12V, Peak 1.25A@12V
YD38	Single acting doors, heavy duty, high usage	1,000,000	2,000kg (4,400lbf)	203 x 37.5 x 43mm (8 x 1 1/5 x 1 11/16")	Ø 14.2mm (9/16"), 14mm (9/16") extension	Input Voltage: 12-24VDC ± 10% Current: Standby 230mA@12V, Peak 1.5A@12V
YD38L	Double acting doors, heavy duty, high usage	1,000,000	2,000kg (4,400lbf)	203 x 37.5 x 43mm (8 x 1 1/5 x 1 11/16")	Ø 14.2mm (9/16"), 14mm (9/16") extension	Input Voltage: 12-24VDC ± 10% Current: Standby 230mA@12V, Peak 1.5A@12V
YG80	Any large opening, high strength, extreme environments	300,000	4,000kg (8,800lbf)	80 x 80 x 150mm (3 5/32 x 3 5/32 x 5 29/32")	Ø 18mm (11/16"), 30mm (1 3/16") extension	Input Voltage: 12-24VDC ± 15% Current: Standby 40mA@12V, Peak 1A@12V or 2A@24V with heater
YG80B	Any large opening, direct bluetooth control, high strength	300,000	4,000kg (8,800lbf)	80 x 80 x 150mm (3 5/32 x 3 5/32 x 5 29/32")	Ø 18mm (11/16"), 30mm (1 3/16") extension	Input Voltage: 12-24VDC ± 15% Current: Standby 40mA@12V, Peak 1A@12V or 2A@24V with heater

WARRANTY

Unless specified otherwise, the Company warrants to the Customer that BQT Solutions Branded Products' (excluding third party products and software) are covered by a return to base warranty on defects in materials and workmanship affecting normal use for a period of the Warranty offered under the Standard Terms and Conditions of Sale from BQT invoice date ('Standard Warranty').

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