

Full height turnstile

BLS-FH55



Features

- Self-centering rotor mechanism – the turnstile rotor automatically resets to its starting set position after every rotation
- Auto-locking – triggers self-locking in 30 seconds (default duration, fully customized) if the gate detects an open signal but no pedestrian passage occurs
- Anti-pinch safety mechanism – prevents rotor jamming or pedestrian entrapment mid-rotation in the event of sudden power outage
- Anti-reverse system- avoids pedestrian reverse passing through
- Mechanism with hydraulic shock absorb - operating more stable and without noise
- Permanently lubricated bearings - operating smooth and easy for maintenance
- Auto-unlock when powered off- for emergency and special requirements (both directions), also can opposite for special required sites, like prison. If have special requirements, we can change the settings.

Solutions:

- Access control and time attendance system: RFID card/wristband, biometric/face recognition, computer with management software can also control directly
- Ticket system: QR code wristband/ticket
- coin/token collector or RFID card insert
- Exit button
- Wireless remote control
- Manual keys

Technical Specifications

Parameter Items	Specifications
Material	304 stainless steel or carbon steel/201 stainless steel powdered coating colors (colors optional, anti-rust, anti-corrosion) 316 stainless steel optional
Overall Dimensions	1400mm (length) × 1200mm (width) × 2230mm (height)
Passage Width	650mm (customized according to needs)
Arm Dimensions	Three arms or four arms, 610mm Length(can be added), 38mm diameter
Rotating angles	90 or 120 degrees
Passage Speed	20-30 persons per minute
Working Voltage	AC110V/ 220V ± 10%, 50Hz
Drive Voltage	DC12V+DC18V
Operating Power	≤ 30W (energy-saving)
Working Current	<= 2000mA
Input signal	12V DC level or 12V pulse > 100ms
Interface	Input: Relay signal Output: Dry contact compatible with most of access control devices on the market RS485, TCP/IP
Protection Level	IP54 (suitable for indoor and outdoor use) IP68(suitable for harsh environment)
Working Temperature	-20℃ ~ 60℃ (adapts to various climates)
Power Failure Handling	Automatic unlock to ensure pedestrian pass;automatic lock when power on. If for special sites, we also can change it.(prison, government institution etc high security requirement sites)

Customization options:

- Custom design & dimensions – tailored to on-site layout and project needs
- Versatile materials & finishes – 304/316 stainless steel, powder-coated carbon steel (custom colors); brushed, snowflake, mirror, matte textures; anodized aluminum (select models)
- Logo customization – stainless steel nameplates or silk-screen printing
- Flexible LED indicators – fixed red "X"/green arrow or dynamic flowing lights
- Reader window customization – size, shape, logo/slogan printing available
- Rotor options – 3/4 arms; straight/U-type pipes; stainless steel/acrylic panels
- Optional arm casings – full stainless steel welded or PVC covers
- Optional audio alarm system – on-demand integration
- Portable solution – optional welded carbon steel base for temporary/relocatable use
- For more details, visit our Customization Services page or contact us for special requests

Applications:

- Suited for applications requiring strict access and high levels of security
- Used extensively in applications such as train stations, stadiums, prisons, bank vaults, exhibitions centers

Dimensions:

