Technical Description



Gyro Transpa

The motor-driven hip-height vertical turnstile Gyro Transpa is entirely made of corrosion-free materials and is particularly suitable for barriers separating areas in office buildings as well as fitness clubs and leisure facilities.

With its glass barrier elements and the motor integrated in the axle, Gyro Transpa has a sterling appearance, blending in neatly with the surrounding architecture.

Gyro Transpa is optionally suited for unidirectional or bidirectional operation. With a 120° pitch, it offers high passage comfort at good person separating.

Features

- Integrated Drive Mechanism
- Ready-Mounted
- Uni- or Bidirectional Operation
- Selectable Entrance Direction
- High Throughput
- High Durability
- Architecture-friendly Transparency
- Maintenance-free Mechanism
- Transition Counts
- Wide Range of Accessories



Application Areas

- Office Buildings
- Plant Security
- Museums and Leisure Facilities

Models/Options

Vertical Turnstile, hip-height

Options:

 Sensors for activation and extended misuse protection



Technical Characteristics

Power Supply:	24 V DC
Power Consumption:	50 VA max.
Storage Temperature:	-40°C to +40°C
Operating Temperature:	+5°C bis +50°C
Outer/Inner Width:	1.600 mm/640 mm
Length:	1.600 mm
Height:	1.025 mm
Weight:	110 kg
Reader Interface:	Floating Contacts
Material:	CrNi-Steel Type 1.4301
	Safety Glass

Functional Description

In normal operation, an electric brake holds the drum in its blocking position.

Upon reception of a release signal from the reader system or an optional external manual control, the brake is released, allowing turning the drum in the preset direction.

Application of slight pressure triggers the driving motor, which turns the drum by 90°. Internal sensors prevent injuries from the turning bars running against the backs of passing pedestrians.

After completion of the transit, the turnstile sends a signal to the reader.

To avoid injuries in case of panic, a safety clutch allows manual turning of the blocked barrier elements with a force of 40 kN, emitting a warning sound.

Powered off, the turnstile arms can be turned manually with little force.

The 120° pitch ensures high comfort and good separating of persons.

Standards

CE	Directive of Machinery 98/37/ed		
UL	94 V-0		
VDE/ÖVE	protective earthing		
Protection Clas	s: IP 43 / EN 60529		
Production Standard: ISO 9001			





Dimension Overview



Floor Mount



Input:

- Reader Release Entrance Direction
- Reader Release Exit Direction
- Manual Release Entrance Direction
- Manual Release Exit Direction
- Permanent Release Entrance Direction
- Permanent Release Exit Direction
- Stop Button

Output:

- External Counter non-resettable Entrance
- External Counter non-resettable Exit
- External Light
- Feedback

Models:

6P921: Gyro Transpa

Extras & Options:

- **21670:** Foundation Assembly with Template for non-sustainable floors for limiters
- **21680:** Foundation Assembly with Template for non-sustainable floors for drive column
- 21781: Optical Sensor for Presence Control
- 8P408: External LOGITURN console
- 8P407: Housing for console
- o. Nr.: Curved Acrylic glass fillers for guide rails

Suitable By-Products:

6P950: Ikarus Transpa Motorized Gate

- 21100: Manual Gate
- 21695: Reader Stand



Sample Tender Document Entry

Pos.	Qty.	Text	Unit Price	Total
		pcs. Vertical turnstile(s), hip-high, with motor-driven turnstile drum with 120° pitch.		
		Body and cover in V2A stainless steel, matt finished or sanded and coated with acid protection, and perspex. Barrier elements in safety glass and stainless steel. Compact design, for indoors use.		
		Selectable turning direction, maintenance-free drive mechanism invisibly integrated with the barrier element.		
		Power supply and electronic control for bidirectional operation inte- grated in the turnstile. Drive and drive electronics mounted over- head.		
		24 V DC operation		
		Prepared for electrical attachment of card readers or biometric access control devices on both sides.		
		Screw mounting, direct on sustainable floors (e.g. concrete founda- tion) or with optionally available mounting brackets on non-sustai- nable floors.		
		Reference product: Gotschlich Modell Gyro Transpa		
		with the following built-in options:		
		Built-in opto-sensors for presence control (release requires presence of a person)		
		□ Bidirectional option		
		and the following accessories:		
		□ Power supply 1x 100 VA, 2x12V, for 230 V 50-60 Hz		
		□ Power supply 1x 200 VA, 2x12V, for 230 V 50-60 Hz		
		External control unit with console for manual operation		

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