



Security interlocks

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# Security interlocks



# Entrance Systems

Entrance systems fulfil various functions in the building: They enable convenient and secure access, regulate the flow of people and access to sensitive areas. In addition, they can help to save energy in the building because the doors close reliably. Automatic door systems from dormakaba are characterized by their design, variety, safety and convenience.



# Security interlocks

Orthos electronically monitored security interlocks meet the highest security requirements and offer optimum protection for the sensitive areas of a building.

The Orthos product family includes all forms of security interlocks, whether round or square, for single entry and interlocks with several entrance systems in succession, which must be passed through in one direction only.

**Simply effective:**

- High levels of safety thanks to contact mats
- Additional safety thanks installed scales, weight limits or actual weight
- Resistance classes RC2/WK2, WK3 and up to WK4 for cubic interlocks
- PMA release switch inside the interlock opens outer door
- Optional wing and folding doors and automatic locking
- Optional fire protection door
- Optional escape route function
- Optional bullet and break-in resistance
- Elegant glass units
- Quiet, low-noise operation



# Security interlocks

## Security interlocks – an overview



Standard units	PIL-S01	PIL-C01	PIL-M01
<b>Construction</b>			
Outer diameter (mm)	1020, 1120, 1220, 1320, 1420, 1520, 1620	1020, 1220	
External dimension			Depends on combination
Upper part length (mm)			800–2000
Passage width (mm)	520, 580, 650, 710, 780, 840, 910	550, 680	800–1200
Overall height (mm)	2300	2400	2330
Passage height (mm)	2100	2100	2100
Carcass upper part (mm)	200	300	230
<b>Carcass</b>			
Glass side panels, alternatively metal-clad	●		
Side parts with metal-clad steel substructure		●	
Upper part with dustproof cover and ceiling plate contains control and monitoring elements			●
<b>Resistance class</b>			
with RC 2	○		○
RC 3 or RC 4			○
with WK 2 or WK 3		○	
<b>Interior</b>			
Including black rubber coating	●		
Including lighting		●	
With surface light scanner as relaying element			●
<b>Outer/inner door</b>			
Hinged door, folding door, sliding door, fire protection door or on-site door			○
<b>Sliding doors</b>			
In aluminum alloy profiles with curved glass, flush-mounted on the outside	●		
In aluminum alloy profiles with curved glass, flush-mounted on the outside. Version according to the selected resistance class.		●	

● Standard ○ Optional

# Security interlocks

## Orthos PIL-S01



Versatile round security interlocks.

**Simply effective:**

- With glass panel, alternatively metal-clad
- Interior space with surface light scanner as relaying element
- Includes single-zone contact mat with black rubber coating
- Light curtain for non-contact protection



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)

# Orthos PIL-C01



Versatile round security interlocks, including LED lighting.

**Simply effective:**

- With steel substructure, metal-clad
- In aluminum alloy profiles with curved glass, flush-mounted on the outside
- Safety rails on the main closing edges that move with the door



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)

# Security interlocks

## Orthos PIL-M01



Versatile cubic security interlocks.

### Simply effective:

- Carcass upper part with dustproof cover and ceiling plate including control and monitoring elements
- Option (interior and outer doors): hinged, folding, sliding door or fire protection door
- Interior space with surface light scanner as relaying element
- CAN bus control unit ETS 21 integrated in the unit
- Installation of the side panels on finished floors



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)

# Orthos PIL-M02



Ensures safe passage in a permitted direction when there is a large number of people. The door detects and inhibits passage attempts in the unauthorized direction.

## Simply effective:

- Detection of objects thrown through (optional)
- High degree of modularity
- No access from above required: Control units installed in side panel
- Sensor technology independent of ambient light
- Open ceiling construction (easy integration into existing smoke detection and sprinkler systems)



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)

# Tripod turnstiles



Waist-high tripod turnstiles provide access control in entrances to office or administrative buildings, industrial facilities, banks, public authorities and many sports and leisure facilities to relieve the strain on reception staff. They are fast, reliable and easy to use.

## Simply effective:

- Hinged bars and automatic readjustment
- Modular single and multiple installation
- Easy passage thanks to servo position drive
- Minimum energy consumption thanks to low-energy operator
- Safe passage thanks to low-energy operator
- Suitable for outdoor installation
- With additional equipment, suitable for installation in emergency and escape routes
- Barrier-free solutions together with automatic swing doors in a suitable design
- Manual motion; mechanically locked in one direction free/counter-direction (**type 0**)
- Manual motion; one direction electrically controlled/reverse direction locked (**type 1.1**)
- Manual motion; two directions electrically controlled (**type 1.2**)
- Motorized motion; servo position drive/two directions electrically controlled (**type 2**)



## Kerberos TPB-L07

Tripod turnstile with housing and feet in a single unit  
(Motion **type 0, 1.1, 1.2, 2**)



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)



#### Kerberos TPB-C01

Tripod turnstile with feet and additional AISI 304 stainless steel rear panel  
(Motion **type 2**)



#### Kerberos TPB-L06

Double tripod turnstile with housing and feet in a single unit  
(Motion **type 0, 1.1, 1.2, 2**)



#### Kerberos TPB-E01

Tripod turnstile with housing and feet in a single unit  
(Motion **type 0, 1.1, 1.2, 2**)



#### Kerberos TPB-S03

Tripod turnstile with housing, feet and flange plate  
(Motion **type 2**)



#### Kerberos TPB-L04

Tripod turnstile with housing for mounting on on-site apparatus, signal unit with display in red/green, angular design flush-mounted in the housing  
(Motion **type 0, 1.1, 1.2**)



#### Kerberos TPB-M04

Tripod turnstile with integrated pay machines and optional receipt printer  
(Motion **type 2**)

# Half-height turnstiles



The waist-high Charon turnstiles, with a multitude of design variants, make for sophisticated interior design. These stylish turnstiles combined with swing doors control visitor and employee flows in high-profile entrance areas, VIP rooms or at the entrance to the executive floor. All units can be combined with time recording systems and card readers – including contactless and biometric systems.

**Simply effective:**

- Quiet, low-noise operation
- Motion is motorized: Servo position drive in two directions, electrically controlled
- Motion is motorized
- Low power consumption
- Elegant, transparent design
- Space-saving even with multiple installations
- Easy passage thanks to servo position drive
- Barrier-free solutions with automatic swing doors in suitable designs
- Swing doors, suitable for installation in emergency and escape routes
- Varied designs of the glass leaves, guiding elements and push bars
- Height can be adapted to 1,200 mm if required



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)



#### Charon HTS-E01

Turnstile with three U-shaped stainless steel barrier elements



#### Charon HTS-E03

Turnstile with three high glass elements and stainless steel push bar



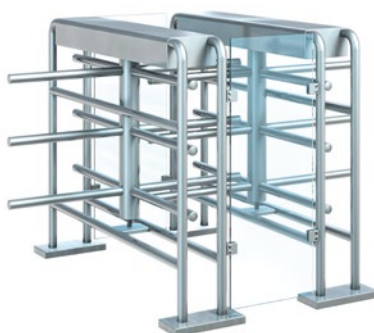
#### Charon HTS-M01

Turnstile with swing door with high glass elements and stainless steel push bars. Turnstile with 180° turning cycle for person separation as well as for transport opening as soon as turnstile and swing door are opened together 90°.



#### Charon HTS-L01

Turnstile with straight crossbars, three each made of stainless steel, barrier element made of stainless steel plate with posts to protect against unauthorized entry to intermediate sector



#### Charon HTS-L02

Double turnstile with straight crossbars, three each made of stainless steel

# Turnstiles



## Versatility

The Kentaur product family is modular in design. Two-, three- and four-winged units with straight or curved bars can be combined with each other. Additional variants with bicycle gate, integrated door, escape route function or in resistance class RC2. The roofs fit all single, multiple or space-saving double units.

## Simply effective:

- Nobody gets stuck thanks to end point locking
- Versions with integrated bicycle gate, full-height gate for barrier-free access or goods transport
- Turnstile column and bars made of robust stainless steel
- Rotation speed adapts to those passing through
- Low-energy drive
- Low power consumption
- Freely selectable behavior in the event of a power failure
- Can be used in areas with aggressive environmental influences
- Integrated, parameterizable random generator
- Second identification for additional security possible
- Spacing between the shearing edges eliminates risk of injury
- Suitable for max. snow load of  $4.28 \text{ kN/m}^2$  = snow load zone 3 according to DIN EN 1991-1-3
- Suitable for max. wind force of  $108 \text{ km/h}$  = wind force zone 4 according to DIN EN 1991-1-4



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)



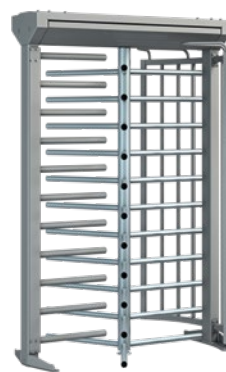
#### **Kentaur FTS-E01**

Turnstile separation segments: 180°, each with stainless steel straight crossbars, polished



#### **Kentaur FTS-L04**

Turnstile separation segments: 90°, each with stainless steel straight crossbars, polished



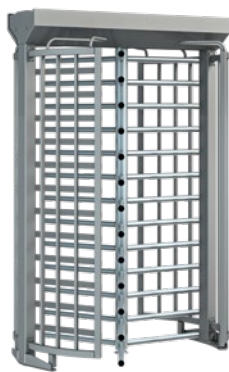
#### **Kentaur FTS-E02**

Turnstile separation segments: 120°, each with stainless steel crossbars, polished



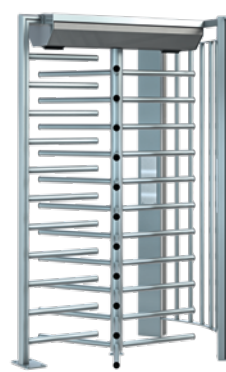
#### **Kentaur FTS-E03**

Turnstile separation segments: 90°, each with stainless steel straight crossbars, polished



#### **Kentaur FTS-E04**

Turnstile separation segments, resistance class RC2: 120°, with stainless steel straight crossbars, polished, with curved steel bars



#### **Kentaur FTS-E05**

Turnstile separation segments: 120°, each with steel straight crossbars, galvanized

# Turnstiles



## Kentaur FTS-E06

Double turnstile separation segments: 120°, each with stainless steel straight crossbars, polished. Low space requirements thanks to interlocking rotating units



## Kentaur FTS-M01

Turnstile separation segments: 120°, with stainless steel straight crossbars, polished. Waist-high, made of curved tubular stainless steel with plate panels, automatic bicycle gate



## Kentaur FTS-M03

Turnstile separation segments: 180°, with stainless steel straight crossbars, polished. Integrated full-height gate for on-request opening with straight crossbars and continuous frame. With steel columns and climb-over protection



## Kentaur FTS-M05

Turnstile separation segments: 180°, with stainless steel straight crossbars, polished. Integrated full-height gate with straight crossbars and continuous frame. With steel columns and climb-over protection. The unit has an escape route function.



## Kentaur FTS-L01

Double turnstile separation segments: 90°, with stainless steel straight crossbars, steel middle section and stainless steel-clad front sides, satin matt finish, low space requirements thanks to interlocking rotating units



## Kentaur FTS-L05

Turnstile separation segments: 90°, with stainless steel straight crossbars, made of steel and stainless steel-clad on the front sides



### **Kentaur FGE-M01**

Full-height gate for barrier-free passage of persons and goods transport



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)



# Sensor barriers



## Argus 40

This compact model has everything an elegant sensor barrier needs.

### Simply effective:

- With a length of just 1,200 mm, the interlock is also suitable for narrow installation situations
- It impressively combines fine materials and functional basic equipment
- Optional panels in the middle of the profile can close the open carcass
- A purely aesthetic, complete sensor barrier



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)

## Argus 60

This sensor barrier will be a real feature of your foyer. The 1,650 mm long variant of the sensor barrier offers more possibilities than the Argus 40.

### Simply effective:

- Increased level of security
- Additional sensor through strip running perpendicular to the horizontal protective sensor strip
- Light band on handrail
- Ambient lighting
- Highly transparent door leaves
- The door leaves can be raised if required, unlike the standard version.



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)

## Argus 80

An all-round high-quality design: The interlock looks particularly solid and sophisticated because the upper part with the vertical frame pivots in front and behind is worked in one seamless piece – as a full cast layer. The shimmering metal looks like an “endless” handrail. The full cast layer only extends the interlock by 1 cm.

### Simply effective:

- Multiple color combinations
- Chase
- Ambient lighting
- Can be customized
- Highly transparent door leaves
- The door leaves can be raised if required, unlike the standard version.



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)

# Sensor barriers

## Argus HSB-M03 Self-Boarding

Waist-high sensor barrier, designed as an e-gate for self-boarding. Helps airport and ground staff keep the boarding process smooth and steady.

**Simply effective:**

- The unit can reduce queues and improve service by allowing passengers to walk through automatic gates and ground staff to take care of passengers who need help.
- Compatible with all biometric systems
- Ideal for airports



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)



# Argus HSB-M03 Boarding Pass Check

Waist-high sensor barrier, designed as an e-gate in the terminal.  
Helps staff ensure controlled access to the security area – smoothly and efficiently.

## Simply effective:

- Integrated boarding pass reader and integrated display for passenger information
- System detects boarding pass misuse (e.g. double use)
- Passenger flow is improved
- The gate allows people to pass through with trolley cases, rucksacks and other luggage without triggering an alarm
- Ideal for airports



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)



# Speed gates



The HSG speed gates have sliding doors in different heights. Other features include the high-quality sensor technology and the solid stainless steel housing. During passage, the sliding doors move quickly into the housing – this enables particularly high footfall. Additional versions with increased passage width are available as barrier-free solutions.

**Simply effective:**

- Easy passage, even with bags or luggage
- No contact with door leaves
- High throughput frequency with high level of personal safety
- Robust stainless steel body
- Modular system with basic and extension units for multiple installation
- Automatic sneak-by guard (observe safety level)
- Acoustic alarm in case of unauthorized use
- Detection of children (observe safety level)

## Argus HSG-E01

Two barrier elements in toughened safety glass, upper edge 1,200 mm (max. 1,800 mm).



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)



## Argus HSG-L01

Curved, motorized motion of the two door leaves into the housing.



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)



# Swing doors



In terms of design, the swing doors are based on the dormakaba waist-high access units. They complement the access units, making them suitable for goods transport or barrier-free access for wheelchair users. All automatic swing doors can be connected to access control systems.

**Simply effective:**

- Adaptable design
- Transparent and filigree elements in stainless steel and glass
- Perfect addition to tripod turnstiles, waist-high turnstiles, sensor barriers as well as for goods transport and barrier-free access
- Easy passage thanks to servo drive
- Quiet, noiseless operation
- Unit also opens under load
- Unit locks in any position
- Separation of drive and locking forces
- Low energy consumption
- Suitable for use in emergency and escape routes
- Easy mounting on finished floors



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)



#### **Charon HSD-E01**

Waist-high swing door with rectangular barrier element



#### **Charon HSD-E02**

Waist-high swing door with curved barrier element



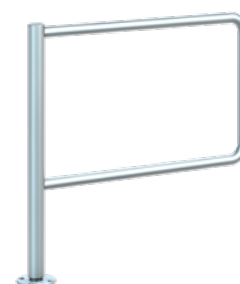
#### **Charon HSD-E03**

Waist-high swing door with glass element, toughened safety glass, 10 mm upper edge, leaf 900 mm



#### **Charon HSD-E06**

Waist-high swing door with glass element, toughened safety glass, 10 mm upper edge, leaf up to max. 1,800 mm



#### **Charon HSD-L01**

Manual waist-high swing door with rectangular barrier element



#### **Charon HSD-L06**

Waist-high swing door in transparent polycarbonate; wall mounting



#### **Charon HSD-L07**

Manual waist-high swing door with rectangular barrier element including door closer and lever protection for opener latch



#### **Charon HSD-L08**

Manual waist-high swing door with escape route function and barrier element with through hole for children

# Pedestrian guiding bars

## PGB



### Simply effective:

- Available with or without glass panel
- Easy installation on finished floors
- Suitable for outdoor installation
- In AISI 304 stainless steel, satin matt finish



### PGB-E01

Pedestrian guiding bars



### PGB-E02

Pedestrian guiding bar with guiding rail, height: 320 mm



### PGB-E03

Pedestrian guiding bar with guiding rail, height: 320 mm



### PGB-S01

Pedestrian guiding bar as variable all-glass barrier system with two end posts



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)

# Reading posts

## CRP

### Simply effective:

- Ready for on-site installation of a Legic antenna LA-PP and dormakaba AM control unit
- Can be adapted to various reader systems
- Presence detection for unreadable cards
- Easy mounting on finished floors
- Weather protection hood for outdoor installation (CRP-M02, CRP-M03)
- In AISI 304 stainless steel



For more information, see here:  
[www.dormakaba.xxx/xxx](http://www.dormakaba.xxx/xxx)



#### CRP-E01

Reader post with aluminum spacer, 80 mm x 35 mm, in RAL 9006, with cable bore for customer's reader plate (surface-mounted)



#### CRP-E03

Pedestal with removable inspection opening for installation of on-site components, max. installation dimensions 170 mm x 140 mm x 150 mm (H x W x D)



#### CRP-C01

Reader post with beveled head (30°). Installations must be checked on a case-by-case basis



#### CRP-M01

Reader post for verifying and collecting identification, together with protective cover and clip holder. Integrated card return tray, signaling device and lockable collection container



#### CRP-M02

Reader post for verifying and collecting identification, together with protective cover and clip holder. Integrated card return tray, signal system and lockable collection container.



#### CRP-M03

Reader post for verifying and collecting identification, together with protective cover and clip holder. Integrated card return tray, signal system and lockable collection container. At car and truck height

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