



**KABA®**

Orthos personal interlock  
systems



## For the highest security requirements

«Security is a key aspect of working in nuclear power plants. That's why when it came to selecting a personal interlock system for access to the control room and to the uranium storehouse it had to be one with the highest level of security: fire and burglary protection, installation of scales showing exact weight as well as a biometric verification system inside the cabin.»



Orthos electronically monitored interlock systems meet the highest security requirements and provide optimum protection for sensitive areas of a building. Required security measures are carried out independently of each other: from merely authorising staff access using a

card reader or code keyboard to recording weight or verifying identity by means of a biometric system inside the cabin. The Orthos product family also includes modular PIL-M02 one-way corridors for use in airports at the critical crossover points between air and land areas.

<b>Throughput rate</b>	= approx. 6
	per minute
<b>for PIL-M02</b>	= 40 to 60
<b>Security level</b>	= ●●●●●
<b>Staff supervision</b>	= no

# Why Orthos personal interlock systems?



- reinforced units for protection against vandalism, burglary, firearms and fire
- two-zone contact mat for additional security
- installation of scales to record weight limits for additional security or exact weight for the highest security level
- option with fire resistant shutters
- all-glass units for an extra stylish look



Extra wide interlock systems with automatic drive mechanisms provide access for people with reduced mobility.

# Fields of application



- IT centres
- R&D centres
- Nuclear power plants
- Banks and financial institutions
- Restricted areas of airports and administrative, government or company buildings
- Crossover from air to land areas at airports

# A smart solution for any entrance



All-glass multiple unit stylishly integrated into a historical setting



Single unit - saves space thanks to its compact shape and curved sliding doors



Light but not transparent - version with frosted glazing for VIP areas

4



With integrated biometric system for top-level security requirements in banks and financial institutions



One-way corridor for passenger arrivals at airport - fast and easy access even with luggage







One-way corridor in all-glass version - angled to prevent articles from being thrown across

# Orthos personal interlock systems






## Six versions, multiple options

	Orthos PIL-M01	Orthos PIL-M03
		
Ground plan	rectangular	rectangular
Side walls	metal or security glazing	metal burglar resistant WK3 bullet resistant FB4
Outer door	manual or automatic: - swing door	burglar resistant WK2 glazing P4A
Inner door	- folding door - fire resistant door	burglar resistant WK3 bullet resistant FB4 glazing P6B/BR4S
Emergency escape function	optional	standard
Rescue push button	standard	standard
Special feature	modular system	integrated finger print reader and scales inside the cabin

	Orthos PIL-C01	Orthos PIL-S01
		
Ground plan	circular	circular
Side walls	glass or metal-clad	glass
Outer door/Inner door	automatic circular sliding doors with glazing or metal-clad	automatic circular sliding doors with glazing
Emergency escape function	-	-
Rescue push button	standard	standard
Special feature	modular system	optional with under floor drive

	Orthos PIL-M02 short	Orthos PIL-M02 long
		
Portal and profiles	stainless steel	
Side walls	10 mm toughened safety glass	
Fully automatic door units	to be combined with each other: - full-height swing doors - half-height swing panels	
Access for people with reduced mobility	yes	
Emergency escape function	on request	
Rescue push button	standard for long versions	
Special features	- modular system - choice of sensor systems to detect motion in wrong direction	

### Access procedure for PIL-M01, M03, C01 and S01

1. Start position:  
 the cabin is closed and locked
2. Access mechanism is activated: the authorised person enters the cabin  

3. The door closes automatically. Additional identification or measurement checks can be carried out inside the cabin  

4. If admission is granted the second door opens  
If access is denied the person must go back  

5. Exit position: once the person has left the cabin the last door opened closes automatically  


The logo for KABA, featuring the word "KABA" in a bold, stylized, sans-serif font. The letters are white with a dark outline, and a registered trademark symbol (®) is positioned to the upper right of the letter "A".

**KABA®**

**Kaba Gallenschütz GmbH**  
Nikolaus-Otto-Strasse 1  
77815 Bühl  
Germany  
Tel. +49 (0) 7223/286-0  
Fax +49 (0) 7223/286-111  
info@kgb.kaba.com

[www.kaba-gallenschuetz.de](http://www.kaba-gallenschuetz.de)