



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.

Throughput rate	=	6 persons per minute
for PIL-M02	=	40 to 60
Security level	=	● ● ● ● ●
Staff supervision	=	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

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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-C01	Orthos PIL-S01
		
Ground plan	circular	circular
Side walls	metal-clad	glass or metal-clad
Outer door/Inner door	automatic circular sliding doors with glazing or metal-clad	automatic circular sliding doors with glazing
Emergency escape function	-	optional
Rescue push button	standard	standard
Special feature	optional bulletproof WK2 + WK3 category resistance	WK2 category resistance (optional)

	Orthos PIL-M01	Orthos PIL-M05
		
Ground plan	rectangular	rectangular
Side walls	metal or security glazing	metal or security glazing
Outer door	manual or automatic: - swing door	manual or automatic: - swing door
Inner door	- folding door - fire resistant door	- folding door - fire resistant door
Emergency escape function	optional	optional
Rescue push button	standard	standard
Special feature	modular system WK2 + WK3 category resistance	Quattrovisio (optical recognition of single file access) WK2 + WK3 category resistance

	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	
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, M05, 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 blue outline. A registered trademark symbol (®) is located to the upper right of the letter "A".

KABA®

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