



Sensor Barrier Argus 80

The perfection of form

Outstanding design

Argus sensor barriers define a new elegance: a closed shape for fluid movement. The modules are clearly designed with straight lines and geometrical corner radii. Thus, two slim structures form one symmetrical unit with glass doors that appear weightless. The XEA design language, typical of dormakaba, combines basic shapes, colours, surfaces and control elements in a uniform look. In this way, the contemporary monoblock design of Argus makes many variations possible – with seamlessly integrated technology.

Argus 80

Argus 80 at a length of 1,660 mm achieves the maximum security level: The horizontal sensor strip is supplemented with a vertical sensor. In terms of aesthetics, Argus 80 offer greater freedom of choice, with many material and colour combinations, ambient lighting and the Full Cast Layer – a seamlessly wrought hand rail. One design from one piece..

Variable passage width

The barrier-free 900 mm passage for wheelchair users, groups or material transports can be reduced to a stan-

dard 650 mm by adjusting the door opening angle, if required.

Taller door leaf

For a greater level of security, doors with a 1,800 mm upper edge height can be used. With an optional extended drive column as an additional security barrier.

User-optimised scanner integration

The subtly concealed scanner defines the action area with nothing more than an illuminated icon. The prevalent RFID scanner formats can be fitted easily.

Smart emergency exit and escape route

The system's locking unit can be released in an emergency. The door leaves can be brought to open position.

Secure separation sensors

With Argus 80, an additional, vertical sensor strip is installed, which achieves better recognition of subsequent, unauthorized people and also detects entry from the wrong direction. Likewise, the passage is thus limited to exactly one individual person even for people walking through with suitcases or for wheelchair users.

Security in perfect shape

A consistently high-quality design: The interlock has a particularly solid and refined look, as the upper section, with the front and rear vertical frame sections, is worked seamlessly in one piece – as a Full Cast Layer. The shimmering metal has the look of an "endless" hand rail. The Full Cast Layer makes the interlock just one centimetre longer.

The equipment is just as varied as in the Argus 60 in terms of the security modules, the colour combinations, the running light, the ambient lighting and the door heights. Customisation is also possible: The side panels can also be produced in corporate colours.



Argus 80 Sensor Barriers

Basic equipment

Argus 80

Construction	Interlock height	995 mm
	Interlock length	1,660 mm
	Passage width	650 mm
	Total width	1,060 mm
	Housing, base columns, guiding elements	Profile with all-round cover in the hand rail and the front made of aluminium in the side section. Side covering of the sensors by printed discs in the respective colour tone defined in the presettings
	Blocking elements	Two door leaves made of toughened safety glass, 10 mm, upper edge 990 mm
	Sensors	The sensor system is integrated in the guiding elements both horizontally and vertically
Finish	Surface combinations according to presetting or individual	
Function	Drives	Type 2.* Integrated in the swing tube. Safety level 2. Passage area monitored by enhanced sensor system with an optimised installation length and arrangement (increased level of single passage monitoring in both directions, including detection of opposite direction).
	Operation modes	Basic position closed "night-operation": The door leaves open in the direction of passage, once authorised, and then close again
Electric components	Control system and power supply integrated in the unit	
	Power supply	100 - 240 VAC, 50/60 Hz, 300 VA
	Power consumption	18.4 VA (58 VA with ambient lighting)**
	Standard adjustment in case of power failure	Door leaves move freely
Installation	Dowelled on finished floor level FFL. Not suitable for outdoor installation!	

* Type 2: power-assisted motion; two servo-positioning drives/electrically controlled in both directions.

** Standardized cycle with 1,000 passes per day and standby operation in between.

Options

Version	Single system/Twin system/Triple system/Quadruple system/Multiple system	
Sensor-controlled passage width monitored	Passage width 900 mm/915 mm (USA standard for the disabled)/1,000 mm. Extended passage width with reduced opening angle. Sprocket brake locks when pressed.	
Passage width not monitored by sensors	DB = 1,200 mm with maximum top edge 1,800 mm/DB = 1,400 mm with maximum top edge 1,600 mm/DB = 1,600 mm with maximum top edge 1,200 mm	
Door leaf increase with Drive unit 850 mm	Upper edge of door leaf: 1,200 mm/1,400 mm/1,600 mm/1,800 mm	
Drive unit increases to same upper edge as door leaf	Upper edge of door leaf: 1,200 mm/1,400 mm/1,600 mm/1,800 mm	
Scanner installation	Flush-mounted socket in the hand rail for on-site installation/Universal, concealed scanner installation behind ESG 6 mm with RFID symbol L/W/H 150x90x30 mm/Preparation for a surface-mounted scanner attachment in the vertical surface, e.g. for wheelchair users (height 850 mm)	
User guidance	Illuminated RFID icon in white, red and green/White-red-green running light integrated in the hand rail	
Ambient lighting:	In the passage area LED white K4000/On the outside LED white K4000/ Additional red and green for status display	
Mean cycles between failures (MCBF)	DB = 650 mm: 10 Mio., DB = 900 mm: 8 Mio.	
Use in emergency exits and escape routes	The SafeRoute Control Unit (SCU) on or near the system activates the escape and rescue route function.	
Product declaration	Environmental Product Declaration: EPD-DOR-20200033-IBA1-EN Health Product Declaration: standard procedure MEMBER	

Any questions? We would be happy to answer any questions you may have.