

High-Performance Door

ASSA ABLOY RR355

ASSA ABLOY

ASSA ABLOY Entrance Systems

The global leader in
door opening solutions



ASSA ABLOY RR355

- Combination of leading technology and modern industrial design
- Exceptional wind resistance due to a stable curtain tension system and wind tabs in the side frames
- All-round safety assured by two systems

DOOR DESIGN

The door (side frame, top roll cover and bottom profile) is made from anodised aluminum. To service the door, the front plate of the side frame can easily be opened or refitted.

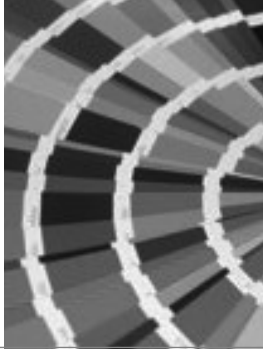
DOOR CURTAIN

Standard: Door is made from clear PVC with blue/red reinforcement stripes.

Option:

For higher demand applications, more rugged curtains made of RollTex and Nomatex are also available.

With or without windows are possible. Also silicon free reinforcement stripes are available as an option.



SAFETY FEATURES

The door has a prehung photocell, which prevents the door from closing when objects or people are in the doorway. If the door is not equipped with a knock-out capability, then an electrical safety contact edge is also available.

KNOCK-OUT CAPABILITY

As standard the ASSA ABLOY RR355 is equipped with a knock-out capability. In the event of a collision the bottom profile breaks away, causing a sensor to stop the door. By pushing a button, the door is then closed completely and after then ready for use again. As an option the door is available without a knock-out capability.

If the door does not have a self-repairing knock-out capability, an electrical safety contact edge is available as an option instead of a pre-running safety photocell.



BOTTOM PROFILE

Bottom profile is made out of aluminum. If the floor is uneven, an extended flexible seal is also available.



ACTUATORS

Different applications may require additional safety devices. Actuators such as infrared, radar detectors, push buttons, vehicle detector loops or radio transmitters can be added to the control system. Please contact us for additional information for your specific needs.





TOP ROLL COVER

Standard: Delivered without top roll cover.

Optional: Top roll cover made from anodized aluminum.



MOTOR COVER

Standard: Delivered without motor cover.

Optional: Motor cover is available in plastic RAL 7040.



MOTOR POSITION

Can be located on the left or right hand side.

CHAIN DRIVE

The chain drive can also be used when space along the sides of the door is not available. The chain drive is fitted on the front of the side frame.

CONTROL BOX

Depending on requirements for operating and closing speeds and actuators, two different control systems are available. The standard door is equipped with the ACS 50 control system.

A frequency converter control system MCC for particularly dynamic door operations is also available. The display unit with foil keys and a graphical display, offers easy operation and maintenance. It is located in a small control box located on the side frame or the wall. See picture to the right.



MANUAL ACTIVATION

In the event of a power failure, the door can be opened by releasing the brake manually. Depending on the width/height ratio, the door opens partially supported by the springs of the counter balance.

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Application

- as an interior or exterior door between two factory areas
- within fully automated robot operations
- within automated transport systems

Advantages of the High-Performance Door ASSA ABLOY RR355:

all-round safety control through:

- pre-running safety photocell and door line photocell for touchless protection of people and goods
- A door line photocell also prevents the door closing when objects or people are in the doorway
- minimizing damages at collisions through the self repairing knock-out-capability integrated in the bottom profile
- good wind resistance by curtain tensioning and windbreak tabs in the side frames
- fast opening and closing minimises energy and temperature loss
- alternatively door curtain of clear PVC or of RollTex® Plus

Safety Features

This door is designed according to the regulations of the Workplace Directive of the UVV as well as the harmonized CE Guidelines including the EN 13241-1.

Indication of Risk

The security of the door is designed for normal use and for vehicles in an industrial environment corresponding to the harmonised CE Guidelines. Depending on the on-site situation, especially in pedestrian usage, additional safety measures, such as additional actuators may be required. In addition, special environmental conditions may impact the choice of door type. For more information or to schedule an on-site inspection, please contact an ASSA ABLOY Entrance Systems sales engineer.

Door curtain (Color code according to RAL color card)	PVC with colored reinforcement stripes	RollTex®	NomaTex®
Windows	-	•	•
Vision panels	-	-	•
Wind tabs	✓	✓	✓
Blue	✓ 5002	• 5002	• 5005
Red	✓ 3002	-	• 3000
Beige	• 1014	-	-
Orange	• 2011	• 2009	• 2009
Grey	• 7035	• 7001	• 7038
Yellow	• 1021	-	• 1023
Green	• 6018	-	-
White	• 9016	-	-
Black	• 9005	-	-
Silicone-free curtain (then small color differences are possible)	•	•	•

TECHNICAL DATA

Application	Exterior door / Interior door
Door dimensions (mm) (DW min./max.) (DH min./max.)	1000 / 4000 1500 / 4200
max. area	16,8 m ²
ACS 50 Open/Close max. (m/s) ²⁾	✓ 1,0 / 1,0
MCC Open/Close max. (m/s) ²⁾	• 2,5 / 1,0
Wind resistance EN 12424	Class 2
Temperature range (extended range on demand) ³⁾	-20°C – +60°C

Surface / Material	
Side frame	Aluminum anodized
Bottom profile	Aluminum anodized.
Bottom profile with extended flexible seal	• 50/100/150 mm
Top roll cover ¹⁾	• Aluminum anodized
Motor cover ¹⁾²⁾	• Plastic Grey • Aluminium (with chain drive)

Safety features	
Electrical safety contact edge ²⁾	•
Power with control unit	Inside
Door line photocell in side frame	✓
Pre-running photocell ²⁾ (only in combination with control system MCC, door line photocell is optional)	✓ • Without price reduction
Fall down protection	over counterbalance
Counterbalance	Spring force
Break away at curtain/bottom profile ²⁾	✓ • Without price reduction
Curtain tension ²⁾	✓
Emergency opening	Crank handle

Equipment	
LED traffic light	•
Cable tray	✓
Traffic light / flash light	✓
Lintel sealing	✓
Additional opening height	✓ (if MCC)

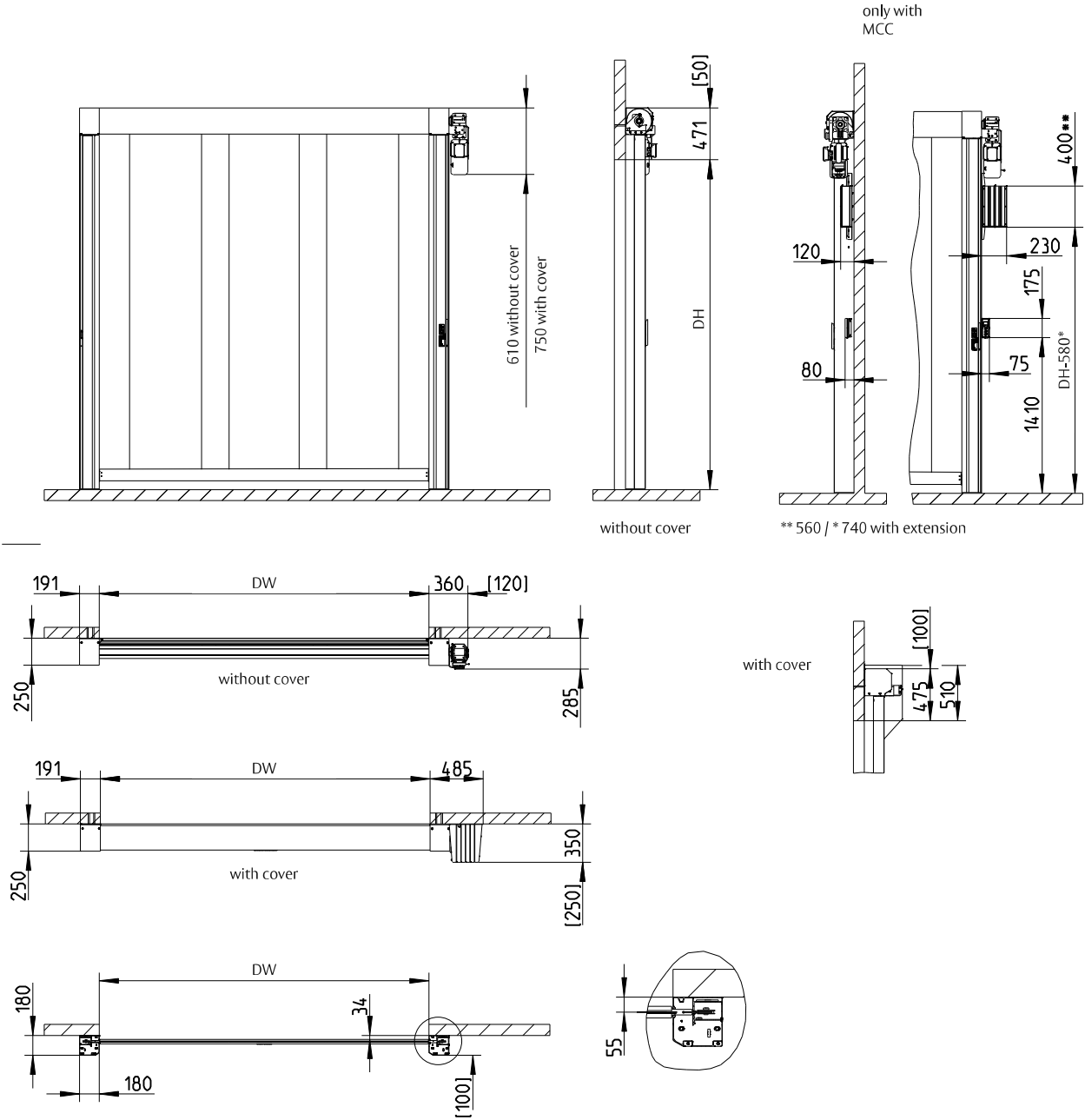
Drive unit	
Motor power	Bonfiglioli 1,1 KW
Chain drive (place saving) ²⁾	•
Hand chain	•

Control system	ACS 50	MCC
Traffic light function without direction detection	✓	✓
Traffic light function with direction detection	-	✓
Separate display / control unit	-	✓
Potential free contacts	✓	•
Fuse protection	10 – 16 A (B-characteristics)	
Control voltage	24 V DC	
Protection	IP 55	

Network connection	see data sheet control system	
3L(N)PE/220/230/380/400/415V;50Hz with transformer = 3L(N)PE/440/480/500V;50Hz	✓	-
3L(N)PE/380/400/415/440/460/480 V;50/60Hz with transformer = 3L(N)PE/220/230/500V;50Hz	-	✓

- Option
 - ✓ Standard
 - not available
- RollTex® according to TRAV (Technical rules for use of anti-fall guard verification)
¹⁾ DH < 2 500 mm always with cover
²⁾ Deviations possible depending on other properties
³⁾ Depending on cycles/minute, door size and installation location

General Drawing ASSA ABLOY RR355



[] = Space needed for installation

Important for crash mechanism: The clear opening between the side columns has to be less or exactly the same as the door width.

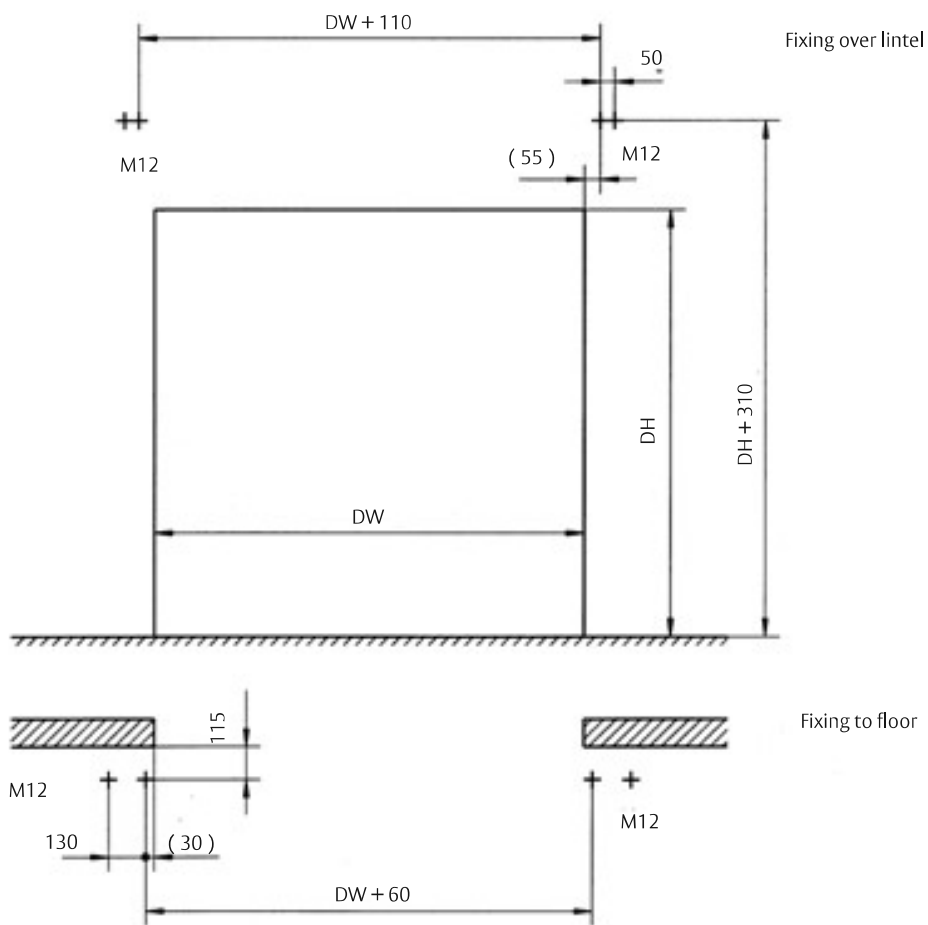
Control Unit			
		ACS 50	MCC
Dimensions W × H × D	mm	300 × 400 × 210	220 × 380 × 100

Available sizes		
	DW	DH
min. (mm)	1000	1500
max. (mm)	4000	4200

ASSA ABLOY Entrance Systems is a leading supplier of entrance automation solutions for the efficient flow of goods and people. Building on the long-term success of the Besam, Crawford, Albany and Megadoor brands, we offer our solutions under the ASSA ABLOY brand. Our products and services are dedicated to satisfying end-user needs for safe, secure, convenient and sustainable operations. ASSA ABLOY Entrance Systems is a division of ASSA ABLOY.

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Fixing Plan ASSA ABLOY RR355



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