

High-Performance Door

ASSA ABLOY RR300

ASSA ABLOY

ASSA ABLOY Entrance Systems

The global leader in
door opening solutions



ASSA ABLOY RR300



- Modular system allows custom configurations
- Fast opening and closing speed saves energy costs
- Space saving construction for almost unlimited possibilities of installation
- Fast and simple installation
- Maintenance-friendly design resulting in minimal service costs

DOOR DESIGN

Type	Design
ASSA ABLOY RR300 S	Galvanized Steel
ASSA ABLOY RR300 I	Stainless Steel

DOOR CURTAIN

The doors are available with clear PVC door curtain with coloured reinforcement stripes. Alternatively economic door curtain as Trav-top, sturdy RollTex® or NomaTex® can be delivered. Silicone-free door curtains are also possible.

COLOURS

Basic colours of reinforcement stripes are red or blue.

A large variety of other colours on request such as orange, grey, yellow, beige, green, white.



WINDOWS

For door curtain made from clear PVC with coloured reinforcement stripes big visible areas are available.

Options for other types of curtain vision panels or windows can be delivered.



ACTUATORS

Individual applications can include 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.

KNOCK-OUT CAPABILITY

For doors from width ≥ 1300 mm a knock-out capability is available. This allows non-operation times after crash and it can easy manual reset after an impact.

Not applicable in version "Mini" with low bottom profile for reduced installation height.



SAFETY FEATURES

The door has an electrical safety contact edge. A door line photocell also prevents the door closing when objects or people are in the doorway.



MOTOR POSITION

Gear motor with drop down safety gearbox, available left or right hand side.

TOP ROLL

As Standard aluminium roll with galvanized shafts.

As Option aluminium roll with shafts and bearing in stainless steel or top roll and shafts made from stainless steel.



TOP ROLL COVER

An optical upgrade and to protect the door curtain against dust, moisture and contact.

Optional

- galvanised steel
- stainless steel 0°
- stainless steel with 30° decline

necessary at DH <2500 mm



MOTOR COVER

An optical upgrade and to protect the door curtain against dust, moisture and contact.

As Option

- Powder coated steel 5° decline
- Stainless steel 15° decline
- Plastic grey RAL 7040

not with coiling chain

necessary at DH <2500 mm



ASSA ABLOY CONTROL BOX

As standard the door is made of a relay control system MCS-R.

According to the operation conditions optional a contactor control system ACS 50 and a frequency converter control system MCS-FC and MCC are available. With the basic control system MCS-R and MCS-FC a convenient operation with high flexibility, fast start-up and easy handling of the door is allowed. The powerful MCC frequency converter control system with Vectoring of the drive unit, connected to the wide range of functions, enables the complex application of the door.

The MCC guarantees a soft start, optimal increase in speed, maximum speeds and a long service life of the door.

Figure shows MCC control system.



BOTTOM PROFILE / FLEX EDGE

For the bottom profile aluminum or stainless steel with a soft rubber profile can be chosen. To reduce the over-lintel dimension, a bottom profile with a reduced height can be used (Variant Mini).

One further option is our Flex Edge Version (flexible bottom profile without aluminum extrusion and coiled cable).



MANUAL ACTIVATION

The door can be operated manually with a crank in the event of a power failure. Alternatively an hand chain operator is available (not available with drive cover).

High-Performance Door ASSA ABLOY RR300

Applications

- As an interior door to separate rooms and climate
- In protected outdoor areas with low wind load and moderate temperatures
- Made from stainless steel for areas where hygiene requirements must be met
- In production lines, conveyor systems or transport locks

Advantages of the ASSA ABLOY RR300

- Modular system allows custom configurations
- Fast opening and closing speed saves energy costs
- Space saving construction for almost unlimited possibilities of installation
- Fast and simple installation
- Maintenance-friendly design resulting in minimal service costs

Safety features

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

Indication of risk

The safety of the door is designed for normal use and for vehicles in an industrial environment corresponding to the harmonized CE-Guidelines. In consideration of the on site situation – especially in case of pedestrian use – 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 our sales engineer.

Door curtain	PVC with colored fabric reinforcement strips	PVC with colored fabric reinforcement strips silicone-free	RollTex®	Nomatex®	Top-Door curtain 1,3 mm max. 3500 x 3500
Windows	–	–	•	•	–
Vision panels	–	–	–	•	•
Wind tabs	✓	✓	✓	✓	✓
Blue	✓ 5002	• 5010	• 5002	• H 5005	• 5010
Red	• 3002	• 3002		• NA 3000	• 3002
Orange	• 2011	• 2011	• 2009	• H 2009	
Grey	• 7035	• 7037	• 7001 ⁵⁾	• 7038 ⁴⁾ • 7045 ⁶⁾	• 7035
Yellow	• 1021	• 1021		• NA 1023 ⁴⁾	
Green	• 6018				
Beige	• 1014				
White	• 9016	• 9010			
Black		• 9005			

• Option ✓ Standard – not possible

1) Height < 2,500 mm, always with cover

2) Deviations possible depending on other properties

3) Depending on load alternation/minute, door size and installation location

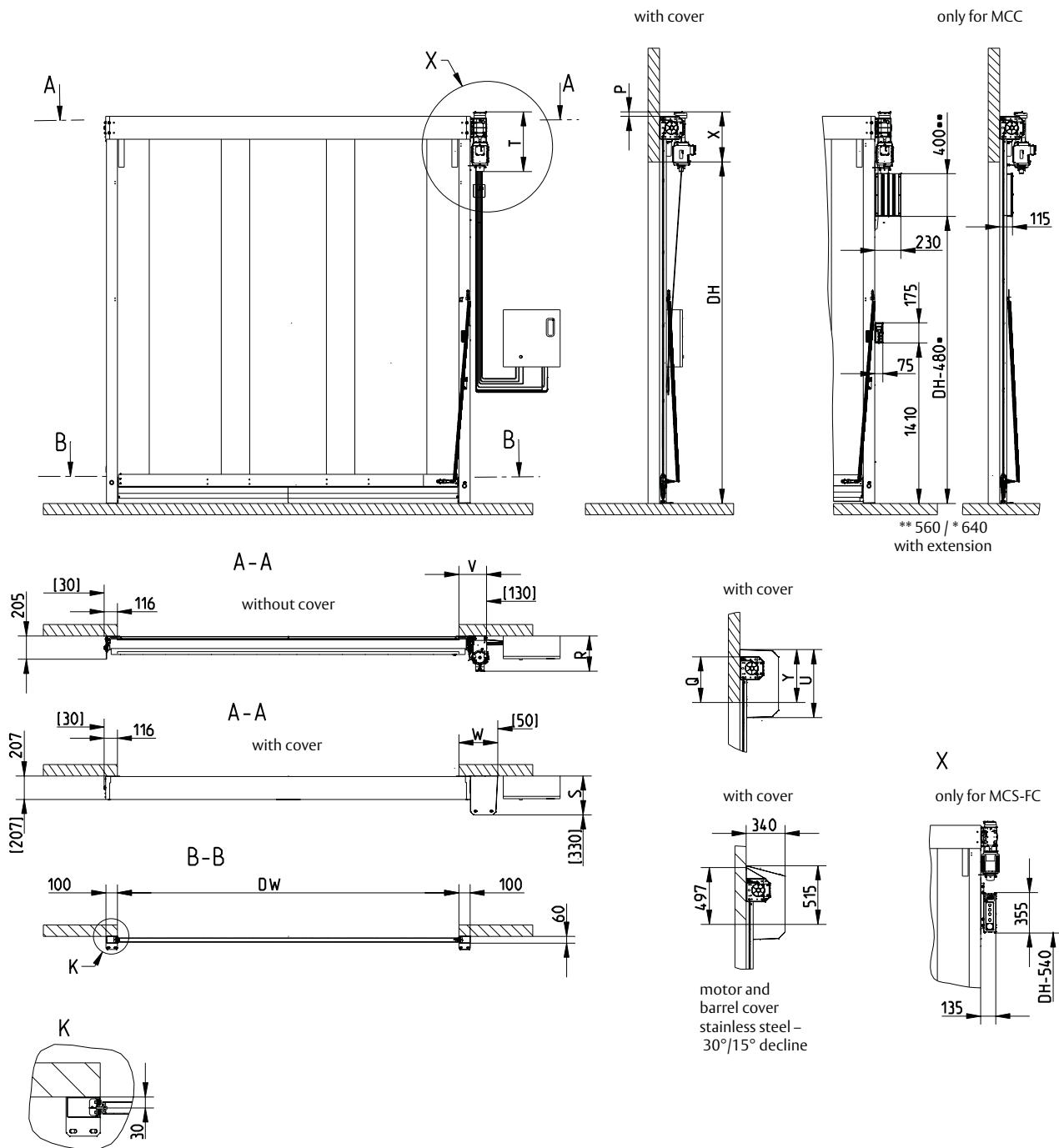
4) According to the requirements of the FDA (Food and Drug Administration)

5) If RollTex Original = paintable

6) Hardly flammable

Technical Data	ASSA ABLOY RR300 S/I	Option „MINI“
Application	Interior door	Interior door
Door dimensions DW (min. / max.) LB ²⁾ DH (min. / max.) LH ²⁾	1000 / 4000 mm 1000 / 4200 mm	500 / 3500 mm 500 / 3500 mm
max. area	16,8 m ²	12,25 m ²
Open/Close max. (m/s) ²⁾	2,0 / 1,0	1,0 / 1,0
Cycles per minute max. * exact number of cycles depending on application	MCS-R=0,5 MCS-FC/ACS 50 = 1 MCC = 3	MCS-R = 0,5
Wind resistance (EN 12424)	class 1	class 0
Noise emission	< 70 dB A	< 70 dB A
Temperature range max. (Extended on request) ³⁾	+10°C - +40°C (0 up to +60°C)	+10°C - +40°C (0 up to +60°C)
Surface / Material		
Side frame	✓ galvanised steel • stainless steel	✓ galvanised steel • stainless steel
Bottom profile ²⁾	✓ Aluminium • stainless steel • flexible „Flex-Edge“	–
Bottom profile Mini	–	✓ Anodized aluminum
Bottom profile with extended flexible seal	•	•
Top roll cover ¹⁾	• galvanised steel • stainless steel	• galvanised steel • stainless steel
Motor cover ¹⁾	✓ Plastic grey • Powder coated steel • stainless steel	✓ Plastic grey • Powder coated steel • stainless steel
Safety features		
Electrical safety contact edge	✓	✓
Power supply of the contact edge	Spiral cable	Spiral cable
Door line photocell in side frame	✓	✓
Drop down protection in drive unit	✓	✓
Crash-System at Bottom profile ²⁾	• DW≥1300 mm	–
Equipment		
LED traffic light	•	•
Lintel seal	•	•
Traffic light with direction detection	✓ MCC • MCS-R/MCS-FC	•
Traffic light without direction detection	✓	✓
Flashing alarm light	✓	✓
Drive unit		
Gear heating	•	•
Chain drive	• (without motor cover)	• (without motor cover)
Manual activation	Crank handle	Crank handle
Control system		
MCC Open/Close max. (m/s) ²⁾	• 2,0 / 1,0	–
MCS-FC Open/Close max. (m/s) ²⁾	• 1,5 / 0,8	–
MCS-R Open/Close max. (m/s) ²⁾	✓ 1,0 / 1,0 (max. DW3500 x DH3500 mm)	✓ 1,0 / 1,0 (max. DW3500 x DH3500 mm)
ACS 50 Open/Close max. (m/s) ²⁾	• 1,0 / 1,0 (max. DW3500 x DH3500 mm)	–
Separate display / control	only at MCC	–
Fuse protection by site	10 A (C-characteristic) (at 220/230V 16 A)	10 A (C-characteristic) (at 220/230V 16 A)
Protection	ACS50/MCC = IP55 MCS = IP54	MCS-R = IP54
Potential-free contacts	✓ MCS / ACS50 • MCC	✓
Network connection		
ACS 50	Standard: 3L/(N)PE/220/230/380/400/415V; 50Hz with transformer: 3L/(N)PE/440/480/500V; 50Hz	
MCS-R	3/(N)PE: 400V 50Hz	
MCS-FC	1/(N)PE: 230V 50-60Hz	
MCC	Standard: 3L/(N)PE/380/400/415/440/460/480V; 50/60Hz with transformer: 3L/(N)PE/220/230/500V; 50/60Hz	

General drawing ASSA ABLOY RR300



Without motorcover				
	Standard		Mini	
	MCC	ACS 50, without control, MCS-FC	MCS-R	MCS-R
X	440	440	400	353
V	265	265	245	245
R	315	315	240	240
T	550	520	415	415
P	42	42	0	0

With motorcover			
	Standard / Mini (MCS-R)		
	Plastic	Steel	Stainless steel
Y	470/424	465/419	515/469
W	346	342	342
S	340	340	340
U	610	600	650
Q	400/355	400/355	400/355

Available sizes		DW	DH
Standard	min.*	1000	1000
	max.**	4000	4200
Mini (MCS-R)	min.*	500	500
	max.**	3500	3500
Crash	min.	1300	1000
** Top 0,8 mm	max.**	3000	3000
** ACS 50, Top 1,3 mm MCS-R	max.**	3500	3500

[] = Space needed for installation

8300R0009/n

ASSA ABLOY Control Unit				
		ACS 50	MCC	MCS-FC
Dimensions B × H × T	mm	300 × 400 × 210	220 × 380 × 100	215 × 345 × 140
Dimensions frequency converter B × H × T	mm			106 × 355 × 106

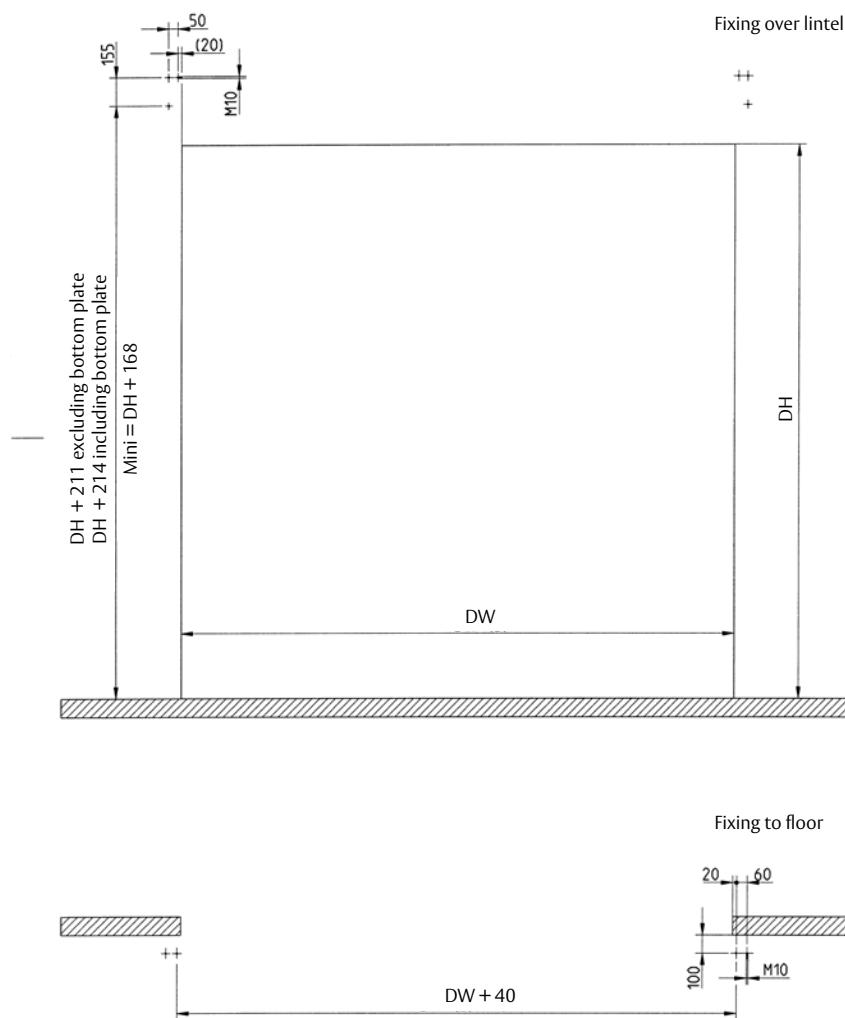
ASSA ABLOY Entrance Systems is a leading supplier of entrance automation solutions for the efficient flow of goods and people. Building on the long-term success of the Besam, Crawford, Albany and Megadoor brands, we offer our solutions under the ASSA ABLOY brand. Our products and services are dedicated 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 RR300



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