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### Preventative Maintenance Contracts

sara LBS offers 1, 3 and 5 year service contracts to help make sure that your equipment is well maintained throughout its life. Whether you bought your loading bay equipment from sara LBS or elsewhere, our CSCS trained engineers are able to ensure that your loading docks, scissor lifts, dock shelters, high speed doors etc. are maintained to the highest standard.

Contracts include regular servicing of equipment, preventative maintenance to stop a problem before it leads to downtime, and regular site inspections. Many of the UK's leading manufacturers and distributors use sara LBS to maintain their facilities, even if the original equipment isn't sara LBS branded.

sara LBS maintains one of the largest UK service networks for loading bay equipment and has engineers on the road 24/7. Service centres can be found across the UK.



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DATA SHEET



# Sprint 400/600/600G

High Performance Door



The all-round door for interior and exterior application



- INTERIOR
- EXTERIOR
- PROCESS
- SERVICE

# Sprint® 450/600/600G

- Safety is ensured by a touchless pre-running photocell
- Front or rear moving wind bar or optional self-repairing-knock-out capability

## BARREL COVER <sup>1)</sup>

Barrell cover is not a standard door feature. An optional barrel cover, made of anodised aluminium, is available

## COLUMN

Columns are made of anodised aluminium.

## CONTROL BOX

Depending on requirements for opening/closing speed and actuators, two different control systems can be chosen: Contactor control system ACS 50 or innovative frequency converter control MCCVectorControl system.

## BOTTOM PROFILE

The bottom profile made from anodised aluminium. In case of an uneven floor, an extended flexible seal is available as option.

## SAFETY FEATURES

The door is equipped with a pre-running safety photocell and a door line photocell - prevents the door from closing when an object is in the doorway. Option: an electrical safety contact edge can be chosen.

## KNOCK-OUT CAPABILITY

An optional self-repairing-knock-out capability is available. In the event of a collision the bottom profile breaks away, causing a sensor to stop the door. The door can easily be reset by hand.

## 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.

**Notes:**  
<sup>1)</sup>For doors of height ≤ 2500 mm the use of barrel and motor cover is required according to standard EN 13241-1.  
*Products shown may include additional options.*



## MOTOR POSITION

Available on the left or right-hand side.

## MOTOR COVER <sup>1)</sup>

Motor cover is not a standard door feature. An optional motor cover is available in plastic.

## DOOR CURTAIN

**Standard:** Door is made of clear PVC with blue reinforcement stripes.  
**Option:** Door curtain includes RollTex® curtain with/without windows or PVC with silicon free reinforcement stripes.

## FREQUENZUMRICHTER-STEUERUNG MCC<sup>VectorControl</sup>



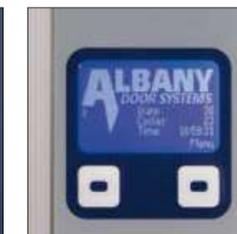
Compact dimensions and integrated door design. Easy wiring by pluggable connections.



The compact control unit is integrated in the door design and mounted under the drive.



Display unit in a small box placed at the side frame.



Display unit with foil keys and a graphical display offering easy operation and maintenance.

# Sprint 450/600/600G



## Advantage of sara Sprint 450

- The pre-running safety photocell (transmitter / receiver) offers maximum safety
- The tensioned curtain system ensures controlled safe opening and closing of the door, and makes sure the curtain is always tensioned
- By using various control systems, individual functions and different door speeds are available
- The counter-balance system, which uses tension springs, offers drop down safety

## Application

- For exterior doorways to maintain environments
- For interior doors as a partition between two factory areas

## Design

The door columns are made of extruded anodised aluminium. The self-supporting side frames are fixed only on the head and the base plates on each side. The frames contain springs for tensioning and for counterbalancing the weight of the door curtain. For ease of service, the front plate of the side frames can easily be opened and closed. The barrel is made from aluminium (model 450) resp. steel material (model 600 and 600G).

## Door curtain

The door curtain is made of clear PVC with blue reinforcement stripes. Other colours can be chosen. For applications with high wind loads a RollTex® Plus curtain is available. As standard the door includes a tensioning system providing extra strength against wind pressure. The edges of the door curtain are reinforced with special wind tabs which are guided in the side frames. Optional running windbars, moving in the front or rear side of the curtain, are available. Moving windbars require additional door height.

## Knock-out capability

A self-repairing-knock-out capability is available as an option.

## Drive unit

The motor can be positioned on the left or right-hand side.

## Control system

The models 450/600/600G are fitted with a frequency converter control system (MCCVectorControl) as standard. The ACS 50 control system is optional for door types 450 and 600.

## Manual activation

In event of a power failure, the manual-release handle enables the door to be opened easily.

## 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 the normal use of vehicles in an industrial environment corresponding to the harmonized CE Guidelines. In consideration of the situation on site – especially in the case of use by pedestrians – additional safety measures, such as additional actuators, may be required. In addition to this, special environmental conditions may impact on the selection of the correct doortype. If in any doubt, please contact our sales engineer for advice.

## TECHNICAL DATA

Interior door	Suitable
Exterior door	Suitable
Wind resistance	Class 2 - EN 12424
<b>Door dimension (mm)</b> For details please note general drawing	
DW min. / max.	2000 / 7500 mm
DH min. / max.	2500 / 6000 mm
<b>Opening direction</b>	vertical
<b>Covers</b>	
Barrel cover	• <sup>1)</sup>
Motor cover	• <sup>1)</sup>
<b>Surface</b>	
Side frames, anodised aluminium	✓
Bottom profile, anodised aluminium	✓
Barrel, anodised aluminium	✓ DW and DH ≤4500 mm
Barrel, steel	✓ DW or DH > 4500mm
Coloured surface RAL	
<b>Door curtain (alternatively)</b>	
PVC with red reinforcement stripes	✓
PVC with coloured reinforcement stripes	•
PVC with silicon-free reinforcement stripes blue / black	•
RollTex® Plus* optional with windows	•
Wind tabs	✓
Curtain tension	✓
Counterbalance tension	✓
<b>Control / Drive unit</b>	
Drive unit	electrical
Chain drive	• up to 6000 x 6000 mm
Control systems	
MCC <sup>VectorControl</sup>	✓ Typ 450/600/600G
ACS 50	✓ Typ 450/600
<b>Safety</b>	
Electrical safety contact edge	•
Pre-running safety photocell	✓
Door line photocell	✓
Fall down protection	✓ tension springs
Knock-out capability	•
Self-opening	•
Manual activation	✓ with bowden lever operated from the floor
Lintel support rollers	•
Second bowden lever	•
Extended flexible seal	•
<b>Speed</b>	
	<b>ACS 50 MCC<sup>VectorControl</sup> 450/600 450/600/600G</b>
Open/close up to max. (m/s)	0,8/0,82, 2/0,9
Fusion protection on site	10 A <sup>2)</sup> , 10 A <sup>3)</sup>
Control voltage	24 V DC 24 V DC
Protection degree	IP 55 IP 55
Motor power / kW	1,1 kW 1,1 kW
3L(N)/PE/220/230/380/400/415V;50 Hz	✓ <sup>4)</sup>
3L(N)/PE/380/400/415/440/480V;50/60Hz	✓ <sup>5)</sup>
Additional opening heights	— •
Potential free contacts max. 250 V	✓ •
<b>Notifications</b>	
Traffic light function	
Without direction detection	✓ ✓ 24 V DC
With direction detection	— ✓ 24 V DC
Flashing alarm light	✓ ✓ 24 V DC
Error message	✓ LEDs ✓ plain text

• Option ✓ Standard — Not Possible

<sup>1)</sup> For doors of height < 2500 mm, the use of a barrel and motor cover is required according to standard EN 13241-1.  
<sup>2)</sup> 16 A bei 220/230 V  
<sup>3)</sup> 10 A, maximum 16 A  
<sup>4)</sup> Transformer necessary for 440/480/500 V  
<sup>5)</sup> Transformer necessary for 220/230/500 V