

# High Performance Door Albany RR3000 Serie

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ASSA ABLOY Entrance Systems

The global leader in  
door opening solutions



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## Protection and Safety for Automated Processes. Albany RR3000 as Machine Protection Door e.g. used in laser applications

The Albany RR3000 is, due to its combination of high speed, long life length and robust aluminium door curtain, well suited for machine protection applications. A nearly service free drive system and small mounting space is an other advantage.

The Albany RR3000 is qualified as a laser protection door because of its double-walled panels and the design of the profiles which leads to an overlapping like a labyrinth of two profiles. As a result of this unique construction the laser beam can not burn through the door curtain.

### ADVANTAGES OF ALBANY RR3000 MACHINE PROTECTION

- Suitable for universal use
- Labyrinth connections between the panels take care of a laser proof curtain
- Rapid opening and closing ensures a short cycle time
- Protection against flying sparks, dust, noise or welding sparks
- Personnel protection in danger zones of the machine
- Safety limit switches according to EN ISO 13849-1 and EN 62061
- Doors conform to EN ISO 12100 and EN 1088
- Microprocessor control of the door allows individual programming to meet customer special needs
- Versions conforming to various company standards are possible
- High reliability even after years of high number of cycles (up to 4 cycles per minute or 1 cycle/15 s)

### APPLICATION

- Laser facilities for e.g. welding and cutting
- Automatic welding systems
- Cutting systems
- Milling machines
- Painting systems
- Workpiece handling
- Tool handling
- Presses
- Conveyor systems
- Elevator and high-bay storage systems

### PROTECTION

The door is tested by BG according to EN 60825-4 with a 4,6 kW laser and focus distance 2 and the laser beam didn't burn trough after 60 sec.

### CONNECTING TO THE MACHINE

- 2 potential-free safety contacts when the door is closed
- 1 output when the door is opened
- 1 output when the door is closed
- 1 output for faults
- Controlling the door is accomplished by potential-free contacts

### SAFETY LIMIT SWITCHES

- Safety limit switches: PL d/Kat. 3 und PL e/Kat. 4 (EN ISO13849-1), SIL 3 (EN 62061)
- Delivered with safety monitoring module as standard
- Alternatively, the system can be delivered without a safety monitoring module where the safety category then depends on the machines safety systems.

### NOISE PROTECTION

The Albany RR3000 allows a noise protection up to 25dB(A).

