

# record SPEEDCORD

crash proof rapid shutter doors for internal use



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## record SPEEDCORD benefits: shorter opening intervals reduce heat loss

For many years record has been developing and producing rapid shutter doors for a few selected markets. The current priority for the SPEEDCORD model is to have its specifications registered for use in international markets. The knowhow gained from record's successful «Look» and «First» series of rapid shutter doors has largely been transferred to the record SPEEDCORD; it is also perfectly complemented by our latest drive, software and sensor technology.

Of particular importance for the SPEEDCORD is the fact that the entire drive, including power supply and control unit, has been fitted underneath the housing. Even the optional USV, required to perform openings in case of power failures, is housed under the cover. The control panel with diagnostics connector and BDE-D remote control, familiar to users from other record door systems, have been directly integrated and attached to the SPEEDCORD frame. And besides this, the SPEEDCORD uses 230V and therefore does not require a high voltage connection or external switch box.

All this not only leads to remarkably uncluttered looks, but also primarily ensures the assembly of the record SPEEDCORD takes less time.

### Wide range of applications

The record SPEEDCORD can be used as the connecting element between two storage areas with different temperatures. The high opening and closing speeds mean on the one hand short hold-open times, which counteract thermal exchange, and on the other, virtually eliminate possible waiting times in front of the doors. The SPEEDCORD is also very well suited as a noise barrier at the end of assembly line areas.

- Maximum size: 3000 x 3000 mm
- Drive: powerful, compact and low-maintenance
- Power supply: 230VAC
- Door materials: 670g/m<sup>2</sup>, choice of several colours available; print or transparent area also possible

### Benefits

- All drive elements integrated into housing; no extraneous components
- User panel integrated into frame; graphic display (BDE-D)
- Power supply 230V: no external switch box required
- Warning light is maintenance-free, LED technology

### Range of applications

- Supermarkets, individual shops, logistics centres, haulage and delivery companies.
- Ends of assembly lines
- Airports





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## record SPEEDCORD – safety and maintenance

The construction not only takes into consideration the stress produced by the dynamic opening and closing speeds, but also the requirements its unusual size makes on staff safety, and how it reacts to collisions.

### Integrated light curtain

To enhance personal safety, therefore, a light curtain has been developed which is integrated into the sidetracks; it reaches a height of 2500mm and is equipped with additional light beams nearer the ground. People and objects can be reliably detected, and thus prevent the door from closing immediately. Additional monitoring of the closing edge for safety reasons is no longer necessary, saving assembly time and reducing service costs. Even positioning the light elements on the inside of the track serves to protect against vehicle collisions and avoids costly follow-up costs and downtime.

### record anti-crash system (RACS)

The record anti-crash system (RACS) was developed for the SPEEDCORD to protect against damage to the shutter panel caused by collisions from the improper handling of forklift trucks. The shutter panel is cleverly designed to slide smoothly out of its track whenever a predefined mechanical effect impacts on the SPEEDCORD. Afterwards, the door can still be opened, and automatically threads itself back into the rails the next time it closes, irrespective of the direction from which the collision has come.

Furthermore, the SPEEDCORD is equipped with a range of industry-standard safety equipment, which not only includes an emergency stop button and maintenance-free LED warning light, but also includes the possibility of adding a transparent area to the shutter panel, necessary to avoid collisions.

### Maintenance

The record SPEEDCORD is designed to be extremely maintenance-friendly. The brushless motor, chain drive and LED technology all contribute benefits. The diagnostic connector is integrated into the control panel, providing the service technician with easy and immediate access to all relevant data without having to dismantle the drive unit cover to get at the control unit; this may be positioned up to three meters above the ground. The BDE-D remote control unit allows possible error messages to be read directly, and thus enables time-saving remote diagnosis via record's telephone hotlines.



# Specifications

## record SPEEDCORD

- Drive dimensions:** H x D: 236 mm x 300 mm
- Frame dimensions:** W x D: 127,5 mm x 70 mm
- Maximum dimensions:** H x W: 3 000 mm x 3 000 mm
- Opening speed:** up to 2.5 m/s
- Shutter materials:** Fibre-reinforced plastic, 670g/m<sup>2</sup>, available in 15 standard colours, printed or with transparent area if required
- Power supply:** 230VAC / 50/60Hz
- Rated power:** 140W
- Ambient temperature:** +3°C to +50°C
- Operation:** Emergency stop via emergency stop button, remote control unit record BDE-D
- Trigger options:** Motion detector, photo cell, switch etc.
- Manual opening:** Hand wheel, hand crank or USV in case of power failures
- Operating modes:**
- Automatic
  - Continuously open / manual
  - One-way traffic
  - Locked
- Details:**
- aluminium frame and cover available in all paint colours
  - record BDE-D: the electronic remote control unit with back-lit graphic display enables easy setting of individual parameters (speed, hold open time, etc.), and other additional functions.
- Other equipment available:**
- During power failures emergency opening using hand crank or integrated USV
  - Interlock control consisting of two rapid shutter doors placed in succession





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