

# record SAFECORD 20

automatic linear sliding door with RC 2 burglar protection



## Short description

Our automatic doors have been designed for widely different requirements. As far as the first stage of protection against unauthorized entry is concerned, manual floor locks are a good idea. Protection is greatly enhanced, however, by the use of multi-point locking (MPV), which secures a door in at least four vertices. Should a higher level of burglary protection be required, the record SAFECORD 20 is the right choice, as it is officially certified as resistance class RC 2. This burglar-resistant sliding door is equipped with effective but unobtrusive burglary protection.

MPV locks the door with two bolts that extend inside the door leaf frame and supporting profiles to fit into the floor. The bolts are divided several times, and freely rotatable to make any attempt at sawing them through difficult. They are made of stainless steel and are thus not only strong enough to prevent forced entry, but also resist the many mechanical effects that a door is exposed to during decades of use.

Next to multi-point locking, other features of the record SAFECORD 20 are a reinforced drive and continuous floor guide, special P5A laminated safety glass, a support structure reinforced with steel plates, and other anti-burglary measures that are all invisibly integrated into the design. Taken together, all the measures provide sufficient resistance for a burglar to give up his attempt to break in, or to hold him up long enough to enable security forces to intervene.

The record SAFECORD 20 is externally unchanged, and is thus continues the elegant styling exhibited by all record products. Even its operation uses proven record BDE-D technology.

Highest reliability, long service life, low operating and maintenance costs are all guaranteed by using standard production parts from the hundreds of thousands of proven, ultra-quiet sliding door drives of the record STA 20 series.

## Key Data

- Certified at RC 2 level of burglary protection by IFT Rosenheim, report number 11-002382-PRO2
- Conforms to the following norms and standards: EN 16005, DIN 18650, EN 1627:2011 to EN 1630:2011
- Classic linear sliding door in single or double versions
- Opening area: 800 – 3000 mm
- Clear height of passage: max. 3000 mm (limited by the standard compliant maximum installation height of the sensors)
- Maximum door leaf weights STA 20-200 [DUO/RED]: E-STA 1 x 150 kg [1 x 150 kg]; D-STA 2 x 120 kg [2 x 150 kg]; STA 22 DUO/RED: E-STA 1 x 250 kg; D-STA 2 x 200 kg
- Opening speed: up to 0.75 m/s

## Benefits

- High level of burglar protection in line with RC 2
- Design is identical to a conventional sliding door
- Standard record drive unit with all benefits
- Proven operating concept

## Options

- Mechanical emergency unlocking inside/outside (HEI/HEA)
- Integrated rechargeable battery with permanent charge level monitor; emergency opening in event of power failure (emergency mode is configurable)
- Trigger devices and presence detector (RIC combined sensor, radar, pushbutton, etc.)
- Function Expansion Module FEM for third-party applications

SAFECORD 20

# record SAFECORD 20

automatic linear sliding door with RC 2 burglar protection

## General Description

Externally, the record SAFECORD 20 model is identical to a standard record sliding door that has been upgraded with floor rails and MPV. Specifications correspond to the record system 20, and include the same opening widths and heights of passage as a classic one or two-leaf sliding door. Drive height is limited to just 200mm, as the basic design caters for heavy-duty double glazing, equipped with oversized mechanics.

The internal structure of the door leaves and drive cover are stronger than ever, and for several good reasons. Corner joints and locking system have been reinforced, and when installed in passageways, also feature a cross member fitted with angled steel plates, foiling any attempt to drill through. A central feature of the record SAFECORD 20 is that all burglar-resistant components have been fully integrated into the construction of the standard model. We have taken into account the customer's wish that the design should differ only slightly from the standard model, and also be just as user-friendly. This is also evidenced in operation; as known operating conditions remain unchanged, the whole locking process works at just the push of a button.

The record SAFECORD 20 drive is identical to the one used in the STA, the STA 20-200 or if very heavy door leaves are used, the STA 22. Both drives can be supplied as redundant versions for escape door applications.

The trigger devices come from the record 290 series of products, available as built-in or surface-mounted versions; to enhance safety, it communicates with the controller via CAN bus. Alternatively, depending on requirements, a variety of push buttons and third party key-operated switches can be installed.

Approval of the record SAFECORD 20 followed its examination in July 2013; fitted with P5A glass, the door provides resistance to RC 2 class standards, in line with EN 1627:2011 to EN 1630:2011 norms and standards. Also included in the certificate is RC 2 N, a weaker class that adheres to specific national requirements, and permits more freedom in the choice of glazing used.



## Standard Equipment:

- Complete single or double sided door installation with or without side screens; depth of profiles 32 mm with 20 mm double glazing Class P5A in line with EN 356
- CNS floor rail with full blade
- MPV multipoint locking
- With enhanced security equipment and reinforcements
- Standard equipment: BDE-D remote control with display, self-calibrating, adapts to environment
- Surface Coatings

## Trigger Devices:

- Sensory motion detector available as surface mounted or recessed versions:
  - record RAD 290 (radar technology)
  - record RIC 290 (combined radar and infrared)
  - record AIR 290 (active infrared)
- Pressure-sensitive or non-contact switch
- Radio-operated push button
- Key-operated switch



## Safety Sensors:

- record AIS 290 (secondary closing edge monitoring)

## Upgradable to...

- STA 22 double drive version record for door leaves with weights of up to 1 x 250 kg (standard 150 kg) or. 2 x 200 kg (standard 150 kg)
- RED redundant version suitable for escape routes

## Assembly Variants

- Lintel-mounted
- Free standing from wall to wall

# SAFECORD 20



# record SAFECORD 20

automatic linear sliding door with RC 2 burglar protection

## Specifications

Key Data	D-STA (double sided)	E-STA (single sided)
Opening width A	800 – 3000 mm	800 – 3000 mm
Clear height of passage G	maximum 3 000 mm	maximum 3000 mm
Total height	G + 200 mm	G + 200 mm
Length of header F	2A + 200 mm (at least 1950 mm)	2A + 100 mm
Drive dimensions		
Without side screens (T x H)	160 x 200 mm	160 x 200 mm
With side screens (T x H)	197 x 200 mm	197 x 200 mm
Maximum Door leaf weight		
record STA 20-200	2 x 150 kg	1 x 150 kg
record STA 20-200 DUO / RED	2 x 150 kg	1 x 200 kg
record STA 22 DUO / RED	2 x 200 kg	1 x 250 kg

## Electrical Connection Data

Connection Data STA 20-200	
Mains voltage	230V AC 50 / 60 Hz
Rated power	100W
Maximum power consumption	250 – 300W
Consumption in stand-by mode	15W locked, 20W on stand-by; including sensors, remote control and locking

## Environmental Conditions

Key Data	
Temperature range	- 15°C to +50°C
Humidity range	Up to 85% rel. humidity, non-wetting

## General Technical Characteristics

Motorization and Drive	
Motor output	Up to 200W
Gears	Worm gear
Drive	Toothed belt
Functional Safety	
Maximum opening / closing speed	0.75 m / s
Conforms to norms and standards	EN 16005, DIN 18650, EN 1627:2011 bis EN 1630:2011