ROLFLEX COMPACT-TYPE SECTIONAL DOOR

The Compact door is an insulated industrial door where on opening, a patented unique rail system folds the door panels together directly above the doorway.

Door construction
Sandwich panels 610 mm high and 40 mm thick reinforced by means of aluminium U-sections.
- Insulating material: hard polystyrene
- Internal and external lining: aluminium stucco, total thickness 0.8 mm
- Insulation value k = 0.76 W(m²K)

Safety and standard EN 13 241-1
The doors bear the CE mark and comply with the latest European standards and guidelines. **Standard safety features** include:
- Fall protection.
- Slack cable protection.
- Anti-lift protection.
- Steel cables with a safety factor of 6.
- Rails with finger protection guard + warning markings
- Water permeability class 2
- Air permeability class 2
- Sound reduction ± 20 dB(A)

Standard wind classification without storm package for widths

Up to 5000 mm	class 3
From 5000 mm to 6500 mm	class 2
Over 6500 mm	class 1

Standard wind classification with storm package for widths

Up to 5000 mm	class 5
From 5000 mm to 6500 mm	class 3
Over 6500 mm	class 2

Doors over 6000 mm wide will automatically come with the storm package.

Sandwich panel colours
The list of RAL colours to choose from for the inside and outside of the door is shown below:
- Standard colours (RAL):   3002 Carmine red
5010 Gentian blue
5017 Traffic blue
6005 Moss green
7016 Anthracite grey
7032 Pebble grey
9002 Grey white
9006 White aluminium
9016 Traffic white
9007 Grey aluminium

Glazing
Different glazing options are available**:**
Full-vision glass panels
Panels constructed using aluminium box profiles with section for the filling of your choice.
- Standard colours   Anodised aluminium
(RAL):   9002 Grey white

With full-vision glass panels, you have the following fillings to choose from:
- Double-glazed acrylate (17 mm)
- Double-glazed polycarbonate (17 mm)
- Single-glazed acrylate (4 mm)
- Single-glazed polycarbonate (4 mm)
- Single-glazed reinforced safety glass (4 mm)
- Galvanized casing with mesh measuring 50 x 50 mm (4 mm)
- Insulated sandwich insert panels (17 mm)

These will be fixed in the aluminium full-vision glass panels using plastic snap-in strips depending on the thickness of the fillings (4 mm or 17 mm).

Double-glazed snap-in windows:
Black plastic casing with double-glazed acrylate. Suitable for use in sandwich panels.
- Rectangular windows – 680 x 370 mm (w x h, external dimensions)
- Oval windows – 725 x 325 mm (w x h, external dimensions)
Insulation value; K = ± 1.38 W/m²K

Electrical operation
Motor 400 V (3-phase, ± 3 amp; plug, 5-pole, 16 amp)
    Speed 20 cm/s approx.
    Unwind protection provided as standard, impermeability class IP54
    Operating time 60%
    Emergency manual operating facility provided in the form of a crank handle as standard

- 230 V (1-phase, ± 6 amp; standard plug)
    Fall protection provided as standard, impermeability class IP54
    Operating time 25% (up to a door weight of 140 kg max.)
    Emergency manual operating facility provided in the form of a crank handle as standard

Control system
CS320 control system with digital limit switches. Control box with push buttons for up-stop-down.

Operating design options
 - electrical operation with dead man's button (automatic opening, keep button pressed to close)
 - electrical operation with object detection system and optical sensor (automatic opening and closing)

NOTE:
If space at the side is limited (< 325 mm), a top-mounted motor will be required
If space at the side is limited (< 325 mm) and there is also limited space above, a front-mounted motor will be required

Electrical options
- 400 V high-speed motor, 60 cm/s approx.
- motor in IP65 design (impermeability class)
- control system in IP65 design (impermeability class)
- motor with 100% operating time for high-frequency use
- emergency hand chain
- standard photocell with support
- remote controlled operation (receiver with handheld transmitter, 4-channel design)
- additional hand-held transmitter (4-channel design)
- key switch incl. 3 keys
- key switch with 3 buttons for up-stop-down, incl. 3 keys
- additional operating button
- cylinder lock for control box
- dock leveller protection
- pull switch
- radar
- warning lamp/stop light
- LCD monitor for programming controls

The unique system includes the following components as standard;
- hinges made of stainless steel
- hot-dip galvanized rails, end caps, guide arms and fixings
- rubber seals
- cable break protection
- floor-mounted fall and anti-lift protection consoles
- fixings
- slack cable protection
- self-lubricating bearing rollers
- motor mount galvanized

Options
- powder coating of hardware for extra protection, in RAL 9006
- powder coating of rails in the RAL colour of your choice
- extended rails, raised assembly
- stainless steel screws, improved water dispersion panels

Ventilation
4 options available:

Ventilation panel 680 x 375 mm (w x h)
- Anodised aluminium
- Net air opening 452 cm²

Ventilation panel 450 x 90 mm (w x h)
- Black plastic
- Net air opening 215 cm²

Ventilation panel 407 x 307 mm (w x h)
- Aluminium RAL 9010 (white)
- Net air opening 185 cm²
- Lockable

Ventilation panel 407 x 97 mm (w x h)
- Aluminium RAL 9010 (white)
- Net air opening 45 cm²

Locking
Anti-lift protection provided as standard

Wicket door
- Net dimensions: 850 x 2100 mm approx. (w x h) from the floor
- Height of threshold is 120 mm approx.
- Protection provided by wicket door contact
- Cylinder lock fitted, with 3 keys
- Door spring
- Opening inwards or outwards as chosen by customer
- Hung DIN left or DIN right as chosen by customer

Suitable for use up to a maximum door width of 6000 mm and a minimum door height of 2400 mm. On account of the bottom profile, an extra 90 mm of space is required at the top.

Options
- Panic lock
- KABA lock

Other options:
- protective cover for outdoor installations, colour powder coated up to a width of 5860 mm max.
- storm package consisting of aluminium stiffening profiles between the panels and in the bottom panel. This is provided as standard for widths of over 6000 mm.