SCHNEIDER®
Torsysteme

INDUSTRIAL FOLDING DOORS

BR600 MADE OF ALUMINIUM AND STEEL

- **AL601F 2.0**
- **AL602F/SF**
- **AL603F/SF**
- **AL603EEF**
- **ST602F/SF**
- **AL602RS**

FUNCTIONAL DESIGN

www.schneiderdoors.com

SCHNEIDER TORSYSTEME

DESIGN MEETS FUNCTION

SCHNEIDER Torsysteme stands for high-quality industrial doors.

The family-run business located in Buchkirchen/Wels has been in business since 1989. Its product range includes folding doors, sectional doors and roll-up doors made from aluminium for industry, commercial operations, emergency services and the public sector.

SCHNEIDER Torsysteme provides its customers with everything from planning, individual manufacturing, to installation and customer service, all from one source.

Our profile comprises a comprehensive range of services:

- Personal advice
- Distribution across Europe
- Production in Austria
- Assembly
- Maintenance
- Service

INDUSTRIAL FOLDING DOORS (F) / SLIDING FOLDING DOORS (SF)

BR600 made from aluminium and steel

AL601F 2.0

Durable aluminium frame design

SCHNEIDER's base model aluminium folding door AL601F 2.0 is popularly used for smaller doors that experience lower frequency. SCHNEIDER's aluminium folding doors save space and don't incur much in terms of maintenance and repair costs as a solid folding door has virtually no wear parts.

The option to individually design the door with different colours and patterns (among which the popular sun design) makes SCHNEIDER folding doors interesting options for agricultural estates and private parties.

HIGHLIGHTS

- Light-weight, durable design
- High-tech materials
- Installation depth: 60 mm
- Applicable up to widths of 10.4 x 4.8 m height
- Screw and plug connections

Learn more about our AL601F 2.0 folding door

AL602F/SF

Standard model for many applications

The sturdy SCHNEIDER AL602F/SF aluminium folding door merges high stability, light weight and long service life with high transparency. Solid running rails, hinges and corner connectors further boost its durability, thus allowing for large glazed surfaces.

Of course, our aluminium folding doors also match all other SCHNEIDER aluminium doors.

HIGHLIGHTS

- Sturdier than AL601F 2.0
- Up to 200,000 motion cycles
- Installation depth: 60 mm
- Applicable up to widths of 15.6 x 5.6 m height
- Screw and plug connections

Learn more about our AL602F/SF folding door.

AL603F/SF

Energy efficiency, brightness and elegance

SCHNEIDER's AL603F aluminium folding door consists of specially designed thermally separated profiles that result in much better thermal insulation than regular profiles.

The AL603F/SF profiles are joined to a door with high torsional stability using a screw and plug system. Just like AL602F/SF, solid running rails, hinges and corner connectors further boost its durability, thus allowing for large glazed surfaces.

HIGHLIGHTS

- Thermally separated aluminium profile
- Triple glazing, U-value 1.4 W/m²K
- Triple glazing up to 2,400 mm glass height
- Applicable up to widths of 15.6 x 5.6 m height
- Reinforced glue joints in frame corners

Learn more about our AL603F/SF folding door.

AL603EEF

Innovative frame technology

Our newly developed EEF aluminium frame technology sets new standards in terms of energy efficiency, design and sustainability.

Thermally dividing the newly developed, patented door frame profile reduces heat loss and minimises condensation on the door's interior surface.

SCHNEIDER's AL603EEF folding door is equipped with plastic separators in the door jamb and frame, integrated insulation material and triple glazing, all together leading to a previously unattainably low U-value.

HIGHLIGHTS

- Optimum thermal insulation
- U-values as low as 1.08 W/m²K
- Exceptionally high air tightness
- Large-surface glazing
- Applicable up to widths of 15.6 x 5.6 m height
- Concealed fastening points
- Long-lasting and resource preserving
- Economical and environmentally friendly

Learn more about our AL603EEF folding door.

ST602F/SF

Tall and wide doors in continuous use

Steel: One of the hardest materials in the world SCHNEIDER's ST602F steel folding door complements this basic strength with a solid steel frame design and the use of exceptionally sturdy running rails, hinges and corner connectors.

Thus, we create large door systems that are highly robust, resistant to taxing conditions and continuous use while allowing for large glazed surfaces.

If you need very tall and wide doors for continuous use, look no further than SCHNEIDER's ST602F/SF folding door.

HIGHLIGHTS

- Very sturdy
- Proven in continuous use
- Installation depth: 60 mm
- Applicable up to widths of 15.6 x 7 m height
- Welded and soldered connections

Learn more about our ST602F/SF folding door.

AL601F 2.0

Base model for small and medium-sized doors

SCHNEIDER's base model aluminium folding door AL601F 2.0 is popularly used for smaller doors that experience lower frequency. SCHNEIDER's aluminium folding doors save space and don't incur much in terms of maintenance and repair costs as a solid folding door has virtually no wear parts.

The option to individually design the door with different colours and patterns (including our popular sun design) makes SCHNEIDER folding doors a interesting option for agricultural estates and private parties.

HIGHLIGHTS

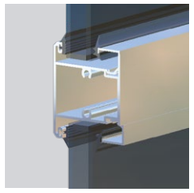
- Light-weight, durable design
- High-tech materials
- Installation depth: 60 mm
- Applicable up to widths of 10.4 x 4.8 m height
- Screw and plug connections
- Car wash box: Pre-anodised for corrosion protection and powder-coated aluminium doors

Technical data	AL601F 2.0
Installation depth	60 mm
Frame width:	min. 87 mm
Max. door size (ordered width x ordered height)	10,400 x 4,800 mm
Max. wing width	1,300 mm
Split versions	2+0 / 2+1 / 2+2 / 3+0 / 3+1 / 3+2 / 3+3 / 4+0 / 4+1 / 4+2 / 4+3 / 4+4
Door with step-through wing (ordered width x ordered height)	5,500 mm x 3,500 mm
Installed pedestrian door	Max. height 2,500 mm
Continuous glazing	On even split up to ordered height 2500 mm
Automatic opening function	Possible on 2+2 split
Resistance to wind load	At least class 2-4
Heat resistance	on request
Fire protection	Class 0
Motion cycles	150,000

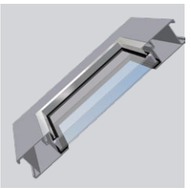
Our doors are manufactured to meet your requirements.
Therefore the information above varies depending on the specific door design.

AL601F 2.0 DOOR DESIGN

Durable aluminium frame design



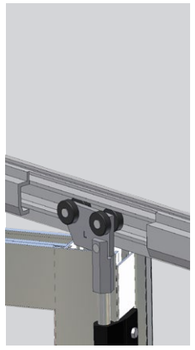
Profile
- Installation depth: 60 mm
- Frame width: at least 87 mm
- Wall thickness of the profiles: at least 2-4 mm



Infills
- Double-wall panels: 32 mm
- Double glazing or multi-skin sheets in various designs and thicknesses

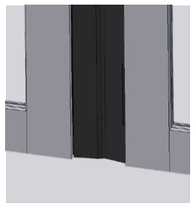
Colour
- A6/C0 anodised
- Facade quality or highly weather-proof powder-coating + RAL at customer's choice + Metallic

Operation
- Manual
- Automatic quick opening – system
- Basic electric drive system

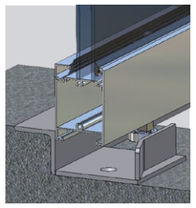


Running rail
- Made from 5-mm-thick A6/C0 aluminium profile or coated
- Steel rails on 180-degree opening version
- Door wings suspended on door slide mechanisms with horizontal and vertical guide roll-ups
- Built-in seal carrier with continuous lip seal
- Dust-proof, maintenance-free ball bearings
- Opening angle: 90° or 180° (max. 3 wings)
- Rail remains clean as it is only open at the bottom
- Smooth and quiet operation

Hinges
- Stainless steel 16 mm hinge bolts
- Concealed aluminium hinges, C35 anodised
- Dust-proof thrust bearings between hinge straps
- Solid, adjustable, re-greasable
- Smooth operation, simple to change, easy to re-adjust, no wear



Finger pinch protection
Safety is provided by finger pinch protection made of elastic, non-degrading EPDM rubber in all vertical closing edges, black



Ground seal
- Galvanised as standard
- Threshold: L50 (Fig.), L50 stainless steel, L50D, L50D stainless steel, U50D
- No Threshold: Latch stop
- Flush floor guide: BF-light stainless steel, BF-light stainless steel heated
- S10 Threshold with rubber seal

Integrated door
- Access the hall quickly without having to open the entire door
- Pedestrian wing: full-size door wing with pedestrian function
- Built-in pedestrian door: opening outwards at max. height 2,500 mm
- Threshold profile: max. 40 mm, low-profile threshold possible

AL602F/SF

Standard model for many applications

The sturdy SCHNEIDER AL602F/SF aluminium folding door merges high stability, light weight and long service life with high transparency. Solid running rails, hinges and corner connectors further boost its durability, thus allowing for large glazed surfaces. Of course, our aluminium folding doors can be visually matched to all other SCHNEIDER aluminium doors.

HIGHLIGHTS

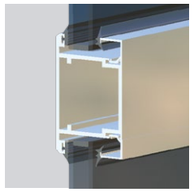
- Sturdier than AL601F 2.0
- Up to 200,000 motion cycles
- Installation depth: 60 mm
- Applicable up to widths of 15.6 x 5.6 m height
- Screw and plug connections
- Car wash box: Pre-anodised for corrosion protection and powder-coated aluminium doors

Technical data	AL602F/SF
Installation depth	60 mm
Frame width:	min. 87 mm
Max. door size (ordered width x ordered height)	15,600 x 5,600 mm
Max. wing width	1,300 mm
Split versions	2+0 / 2+1 / 2+2/ 3+0 / 3+1 / 3+2 / 3+3 / 4+0 / 4+1 / 4+2 / 4+3 / 4+4 / 5+0 / 5+1 / 5+2 / 6+0 / 6+1 / 6+2 / 6+4 / 6+6
Door with step-through wing (ordered width x ordered height)	max. 5,500 mm x 3,500 mm
Installed pedestrian door	Max. height 2,500 mm
Continuous glazing	On even split up to ordered height 4000 mm
Automatic opening function	Possible on 2+2 split
Resistance to wind load	At least class 2-4
Air tightness	Class 0-4
RC2 resistance class	Optional
Heat resistance	on request
Fire protection	Class 0
Motion cycles	200,000
Sound insulation value	Up to 28 dB

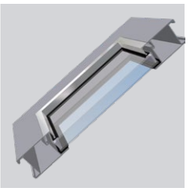
Our doors are manufactured to meet your requirements.
Therefore the information above varies depending on the specific door design.

AL602F/SF DOOR DESIGN

Sturdy aluminium frame design with high joint strength and extremely strong corner connectors



Profile
- Installation depth: 60 mm
- Frame width: at least 87 mm
- Wall thickness of the profiles: at least 2-4 mm



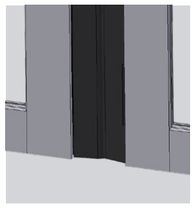
Infills
- Double-wall aluminium panels
- Double glazing or multi-skin sheets in various designs and thicknesses

Colour
- A6/C0 anodised
- Facade quality or highly weather-proof powder-coating + RAL at customer's choice + Metallic

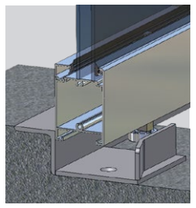
Operation
- Manual
- Automatic quick opening – system
- Basic electric drive system or the Power-F system

Running rail
- Made from 5-mm-thick A6/C0 aluminium profile or coated
- Steel rails on 180-degree opening version
- Door wings suspended on door slide mechanisms with horizontal and vertical guide roll-ups
- Built-in seal carrier with continuous lip seal
- Dust-proof, maintenance-free ball bearings
- Opening angle: 90° or 180° (max. 3 wings)
- Rail remains clean as it is only open at the bottom
- Smooth and quiet operation

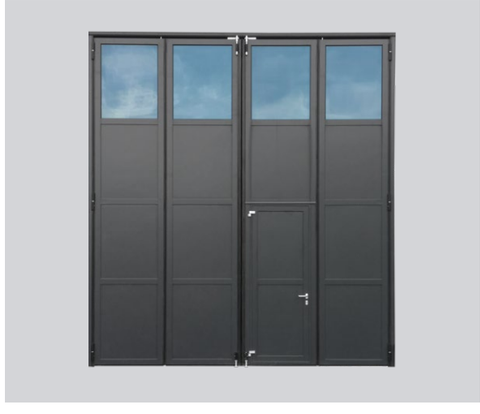
Belts
- Stainless steel 20 mm hinge bolts
- Concealed aluminium hinges, C35 anodised
- Dust-proof thrust bearings between hinge straps
- Solid, adjustable, re-greasable
- Smooth operation, simple to change, easy to re-adjust, no wear



Finger pinch protection
Safety is provided by finger pinch protection made of elastic, non-degrading EPDM rubber in all vertical closing edges, black



Ground seal
- Galvanised as standard
- Threshold: L50 (Fig.), L50 stainless steel, L50D, L50D stainless steel, U50D
- No Threshold: Latch stop
- Flush floor guide: BF, BF heated, BF-light stainless steel BF-light stainless steel heated
- S10 Threshold with rubber seal



Integrated door
- Access the hall quickly without having to open the entire door
- Pedestrian wing: full-size door wing with pedestrian function
- Built-in pedestrian door: opening outwards at max. height 2,500 mm
- Threshold profile: max. 40 mm, low-profile threshold possible

AL603F/SF

Energy efficiency, brightness and elegance

SCHNEIDER's AL603F aluminium folding door / SF consists of specially designed thermally separated profiles that result in much better thermal insulation than regular profiles. The AL603F/SF profiles are joined to a door with high torsional stability using a screw and plug system. Just like AL602F/SF, solid running rails, hinges and corner connectors further boost its durability, thus allowing for large glazed surfaces.

HIGHLIGHTS

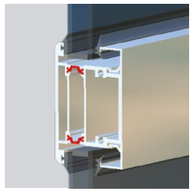
- Thermally separated aluminium profile
- Triple glazing, U-value 1.4 W/m^{2}K
- Triple glazing up to 2,400 mm glass height
- Applicable up to widths of 15.6 x 5.6 m height
- Reinforced glue joints in frame corners
- Car wash box: Pre-anodised for corrosion protection and powder-coated aluminium doors

Technical data	AL603F/SF
Installation depth	60 mm
Frame width:	min. 87 mm
Max. door size (ordered width x ordered height)	15,600 x 5,600 mm
Max. wing width	1,300 mm
Split versions	2+0 / 2+1 / 2+2 / 3+0 / 3+1 / 3+2 / 3+3 / 4+0 / 4+1 / 4+2 / 4+3 / 4+4 / 5+0 / 5+1 / 5+2 / 6+0 / 6+1 / 6+2 / 6+4 / 6+6
Door with step-through wing (ordered width x ordered height)	5 500 x 3 000 mm
Installed pedestrian door	Max. height 2,500 mm
Continuous glazing	On even split up to ordered height 4000 mm
Automatic opening function	Possible on 2+2 split
Resistance to wind load	At least class 2-4
Air tightness	Class 0-4
RC2 resistance class	Optional
Heat resistance	on request
Fire protection	Class 0
Motion cycles	200,000
Sound insulation value	Up to 35 dB

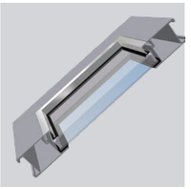
Our doors are manufactured to meet your requirements.
Therefore the information above varies depending on the specific door design.

AL603F/SF DOOR DESIGN

Sturdy aluminium frame design with high joint strength and extremely strong corner connectors and thermal separation



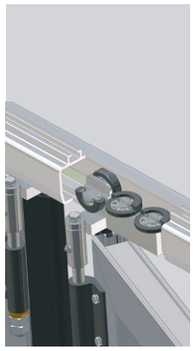
Profile
- thermally separated
- Installation depth: 60 mm
- Frame width: at least 87 mm
- Wall thickness of the profiles: at least 2-4 mm



Infills
- Double-wall aluminium panels
- Double and/or triple glazing or multi-skin sheets in various designs and thicknesses

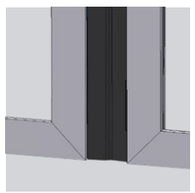
Colour
- A6/C0 anodised
- Facade quality or highly weather-proof powder-coating + RAL at customer's choice + Metallic

Operation
- Manual
- Automatic quick opening – system
- Basic electric drive system or the Power-F system

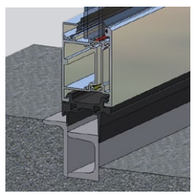


Running rail
- Made from 5-mm-thick A6/C0 aluminium profile or coated
- Steel rails on 180-degree opening version
- Door wings suspended on door slide mechanisms with horizontal and vertical guide roll-ups
- Built-in seal carrier with continuous lip seal
- Dust-proof, maintenance-free ball bearings
- Opening angle: 90° or 180° (max. 3 wings)
- Rail remains clean as it is only open at the bottom
- Smooth and quiet operation

Belts
- Stainless steel 20 mm hinge bolts
- Concealed aluminium hinges, C35 anodised
- Dust-proof thrust bearings between hinge straps
- Solid, adjustable, re-greasable
- Smooth operation, simple to change, easy to re-adjust, no wear



Finger pinch protection
Safety is provided by finger pinch protection made of elastic, non-degrading EPDM rubber in all vertical closing edges, black



Ground seal
- Galvanised as standard
- Threshold: Double bracket (Fig.), L50D, L50D stainless steel, U50D
- Flush floor guide: BF, BF heated, BF-light stainless steel, BF-light stainless steel heated
- S20D Threshold with dual lip seal

Integrated door
- Access the hall quickly without having to open the entire door
- Pedestrian wing: full-size door wing with pedestrian function
- Built-in pedestrian door: opening outwards at max. height 2,500 mm
- Threshold profile: max. 40 mm, low-profile threshold possible

AL603EEF

Innovative frame technology

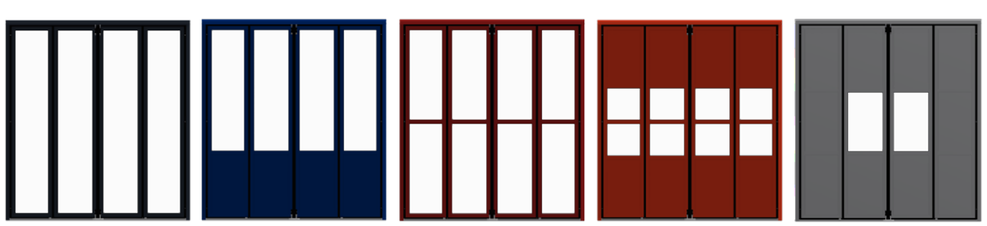
The innovative aluminium frame technology EEF (Energy Efficient Frame) sets new standards in terms of energy efficiency, design and sustainability. Thermally dividing the newly developed, patented door frame profile reduces heat loss and minimises condensation on the door's interior surface. Thanks to the plastic dividers in the door frame, the integrated insulating material and the use of triple glazing, SCHNEIDER's AL603EEF folding door achieves a previously unattainably low U-value.

HIGHLIGHTS

- Optimum thermal insulation
- U-values as low as 1.08 W/m²K
- Exceptionally high air tightness
- Large-surface glazing
- Applicable up to widths of 15.6 x 5.6 m height
- Concealed fastening points
- Long-lasting and resource preserving
- Economical and environmentally friendly

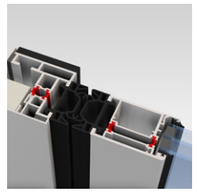
Technical data	AL603EEF
Installation depth	60 mm
Frame width:	min. 87 mm
Max. door size (ordered width x ordered height)	15,600 x 5,600 mm
Max. wing width	1,300 mm
Split versions	2+0 / 2+1 / 2+2 / 3+1 / 3+2 / 3+3 / 4+0 / 4+1 / 4+2 / 4+3 / 4+4 / 5+1 / 5+2 / 6+0 / 6+1 / 6+2 / 6+4 / 6+6
Opening angle	90° or 180° (max. 3 leaves)
Door with step-through wing (ordered width x ordered height)	max. 5,500 mm x 3,000 mm
Installed pedestrian door	Max. height 2,500 mm
Continuous glazing	Up to ordered height 4,500 mm
Resistance to wind load	At least class 2-4
Air tightness	Up to class 4
RC2 resistance class	Optional
Heat resistance	up to = 1.08 W/m²K
Fire protection	Class 0
Motion cycles	200,000
Operation	Manual, electrical, basic or Power-F

Our doors are manufactured to meet your requirements.
Therefore the information above varies depending on the specific door design.



AL603EEF DOOR DESIGN

Innovative frame technology

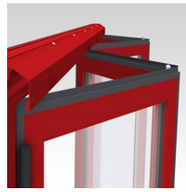


Thermally divided door frame
- Allows U-values as low as 1.08 W/m²K acc. to EN 12428
- Reduces heat loss
- Lowers energy costs
- Optimum thermal insulation

Two-part door frame system
- Concealed fastening points in front of reveal
- Allows for concealed fastening in all installation situations

Smooth-running guidance system
- guarantees easy door operation
- absorbs the hight weight of the door wings
- allows for large-surface glazing using real glass
- sturdy design

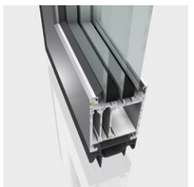
Two-part door frame system
- Concealed fastening points in reveal
- Allows for concealed fastening in all installation situations



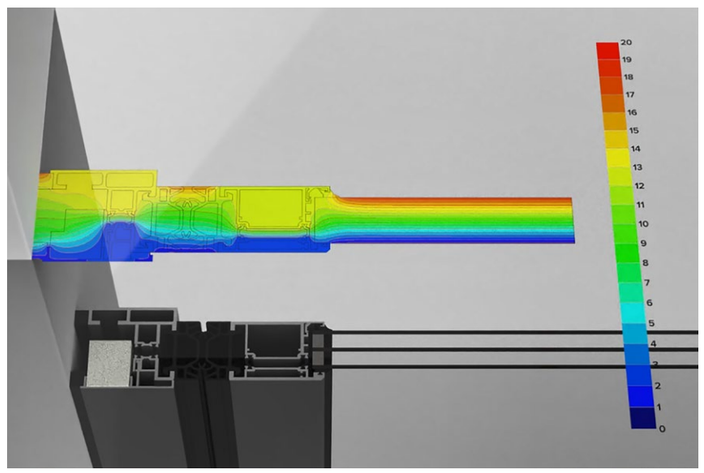
Running rail cover profile
- protects from running rail contamination
- guarantees long system life
- significantly contributes to the door's design

Balanced wing and door seal contours
- Increased tightness of the entire folding door
- Allows for air permeability resistance up to class 4 acc. to EN 12426

Colour
- A6/C0 anodised
- Facade quality or highly weather-proof powder-coating + RAL at customer's choice + Metallic



Triple glazing
- Triple glazing using real glass
- Modern design with lots of light
- Excellent thermal properties



Thermal division
- Reduces heat loss and condensation
- Excellent U-values

ST602F/SF

Tall and wide doors in continuous use

Steel: One of the hardest materials in the world SCHNEIDER's ST602F/SF steel folding door complements this basic strength with a solid steel frame design and the use of exceptionally sturdy running rails, hinges and corner connectors. This creates large gate systems that are very robust, withstand high stress and continuous use, and additionally allow for large glass surfaces. If you need very tall and wide doors for continuous use, look no further than SCHNEIDER's ST602F/SF folding door.

HIGHLIGHTS

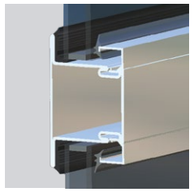
- Very sturdy
- Proven in continuous use
- Installation depth: 60 mm
- Applicable up to widths of 15.6 x 7 m height
- Welded and soldered connections

Technical data	ST602F/SF
Installation depth	60 mm
Frame width:	min. 95 mm
Max. door size (ordered width x ordered height)	15,600 x 7,000 mm
Max. wing width	1,300 mm
Split versions	2+0 / 2+1 / 2+2 / 3+0 / 3+1 / 3+2 / 3+3 / 4+0 / 4+1 / 4+2 / 4+3 / 4+4 / 5+0 / 5+1 / 5+2 / 6+0 / 6+1 / 6+2 / 6+4 / 6+6
Door with step-through wing (ordered width x ordered height)	max. 5,500 mm x 3,500 mm
Installed pedestrian door	Max. height 2,500 mm
Continuous glazing	On even split up to ordered height 4500 mm
Automatic opening function	Possible on 2+2 split
Resistance to wind load	At least class 2-4
Air tightness	Class 0-4
RC2 resistance class	Optional
Heat resistance	on request
Fire protection class	Class 0
Motion cycles	200,000
Sound insulation value	Up to 32 dB

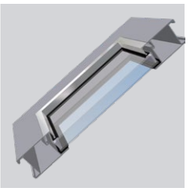
Our doors are manufactured to meet your requirements.
Therefore the information above varies depending on the specific door design.

ST602F/SF DOOR DESIGN

Solid steel frame design in mitre made of hot-dip galvanised steel profiles



Profile
- Installation depth: 60 mm
- Frame width: at least 95 mm
- Wall thickness of the profiles: at least 2-4 mm



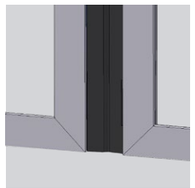
Infills
- Double-wall steel panels
- Double glazing or multi-skin sheets in various designs and thicknesses

Colour
- Facade quality or highly weather-proof powder-coating + RAL at customer's choice + Metallic

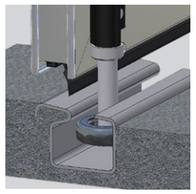
Operation
- Manual
- Automatic quick opening
- Basic electric drive system or the Power-F system

Running rail
- Made of 5-mm-thick aluminium jacket and steel rail
- Door wings suspended on door slide mechanisms with horizontal and vertical guide roll-ups
- Built-in seal carrier with continuous lip seal
- Dust-proof, maintenance-free ball bearings
- Opening angle: 90° or 180° (max. 3 wings)
- Rail remains clean as it is only open at the bottom
- Smooth and quiet operation

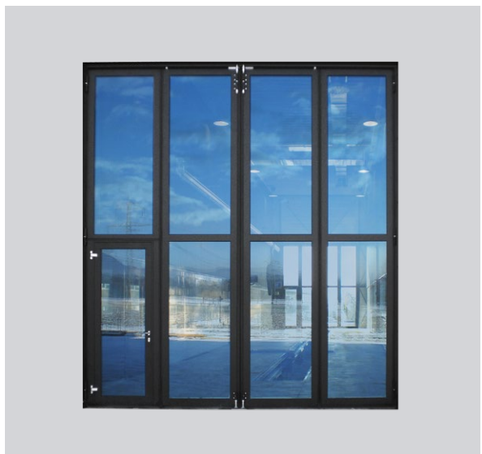
Belts
- Stainless steel 20 mm hinge bolts
- Concealed, screwed aluminium hinges, C35 anodised
- Dust-proof thrust bearing in brass housing
- Solid, adjustable, re-greasable
- Smooth operation, simple to change, easy to re-adjust, no wear



Finger pinch protection
Safety is provided by finger pinch protection made of elastic, non-degrading EPDM rubber in all vertical closing edges, black



Ground seal
- Galvanised as standard
- Threshold: L50, L50 stainless steel, L50D, L50D stainless steel, U50D
- No Threshold: Latch stop
- Flush floor guide: BF (Fig.), BF heated, BF-light stainless steel, BF-light stainless steel heated
- S10D Threshold with rubber seal



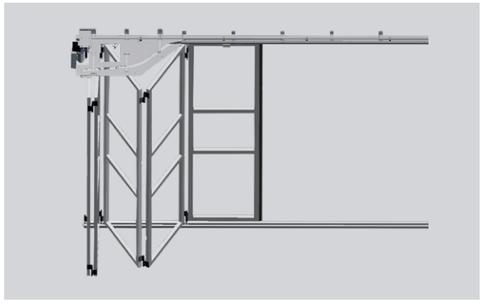
Integrated door
- Access the hall quickly without having to open the entire door
- Pedestrian wing: full-size door wing with pedestrian function
- Built-in pedestrian door: opening outwards at max. height 2,500 mm
- Threshold profile: max. 40 mm, low-profile threshold possible

SLIDING FOLDING DOORS

The folding door with special guides

Sliding folding doors offer a great alternative to folding doors when it comes to large openings and corresponding wind loads.

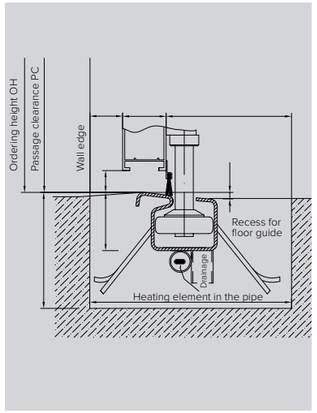
SCHNEIDER is capable of producing various designs to meet the tough requirements in industrial applications. At the same time, all design options of a folding door are available. Sliding folding doors open to the full width of the opening.



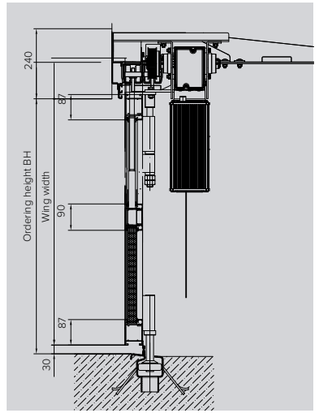
Technical data	AL602SF	AL603SF	ST602SF
Frame	Aluminium	Aluminium, thermally separated	Steel
Installation depth	min. 60 mm	min. 60 mm	min. 60 mm
Profile width	min. 87 mm	min. 87 mm	min. 95 mm
Max. door size (ordered width x ordered height)	15,600 x 5,600 mm	15,600 x 5,600 mm	15,600 x 7,000 mm
Max. wing width	1,300 mm	1,300 mm	1,300 mm
Split versions	2+0 / 2+2 / 2+4 / 2+6 / 4+0 / 4+2 / 4+4 / 4+6 / 6+0 / 6+2 / 6+4 / 6+6 / 8+0	2+0 / 2+2 / 2+4 / 2+6 / 4+0 / 4+2 / 4+4 / 4+6 / 6+0 / 6+2 / 6+4 / 6+6 / 8+0	2+0 / 2+2 / 2+4 / 2+6 / 4+0 / 4+2 / 4+4 / 4+6 / 6+0 / 6+2 / 6+4 / 6+6 / 8+0
Installed pedestrian door	Max. height 2,500 mm	Max. height 2,500 mm	Max. height 2,500 mm
Continuous glazing	Ordered height 4000 mm	Ordered height 4000 mm	Ordered height 4500 mm
Sliding and folding door drive with controls TS971	Self-retaining mechanism	Self-retaining mechanism	Self-retaining mechanism
Heat resistance	on request	on request	on request
Fire protection	Class 0	Class 0	Class 0
Motion cycles	200,000	200,000	200,000

TECHNICAL DETAILS: SLIDING AND FOLDING DOORS

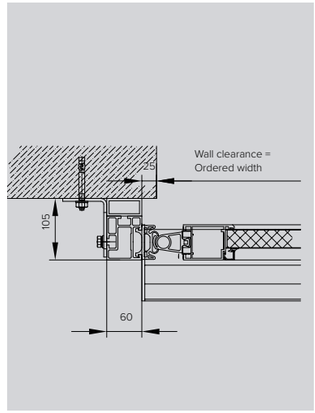
Floor connection



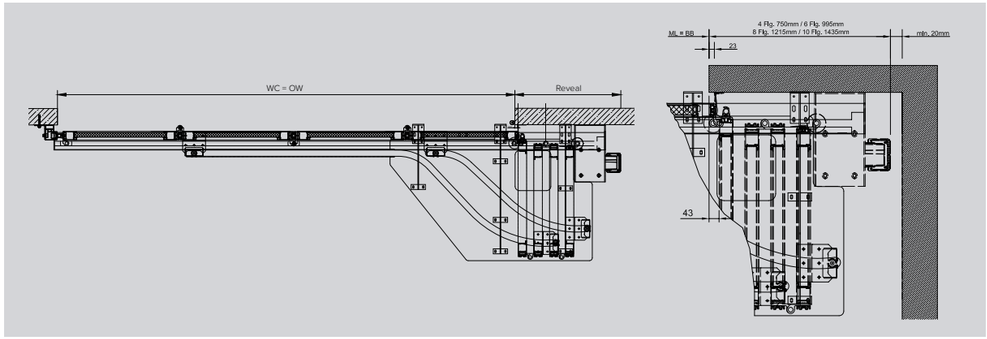
Vertical section



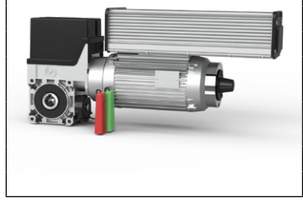
Wall mounting



Horizontal section



POWER-SF SLIDING/FOLDING DOOR DRIVE



Suitable for	AL602SF, AL603SF, ST602SF
Supply voltage	400 V
Max. power rating	0.85 kW
Opening speed	approx. 30 cm/sec.
Wing width	max. 1,300 mm
Wing height	max. 5,600 mm (aluminium doors) max. 7,000 mm (steel doors)
Split versions	2+0 / 2+2 / 2+4 / 2+6 / 4+0 / 4+2 / 4+4 / 4+6 / 6+0 / 6+2 / 6+4 / 6+6 / 8+0
Type of protection	IP65
Controls	Self-retaining mechanism, two-way traffic

- Motor/gearbox unit in sturdy drive housing made from cast alloy
- Sliding/folding door operates smoothly and quietly
- Self-locking gearbox unit
- Suitable for high frequency of use
- Car approach switchable, with individual time setting
- Drive disengagement in the event of a power failure with a cable pull from the ground
- Digital limit switch for distance limitation
- Self-retaining mechanism: OPEN – STOP – CLOSE button, closing edge safety device, flashing light
  two-way traffic: OPEN – STOP – CLOSE button, closing edge safety device, single (red light) or two-way traffic control (red/green light)

AL602RS

Circular track sliding door – the alternative

The alternative to sliding folding doors when there isn't enough space for the wing package. Frame-rung design aluminium circular track sliding door, design depth 60 mm. Wall thickness min. 2 mm. Frame profiles are double-screwed to form a sliding door element. Press-fitted aluminium part as static connecting elements. Suspension of the door elements by horizontally guided carriages and plastic-coated rollers. Rollers and wings with dust-proof, maintenance-free ball bearings. Concealed espagnolette lock. Walk-through door can be built in without loss of stability. Infills made of aluminium panels or insulating glass. Easy replacement of the complete door components without damage possible!

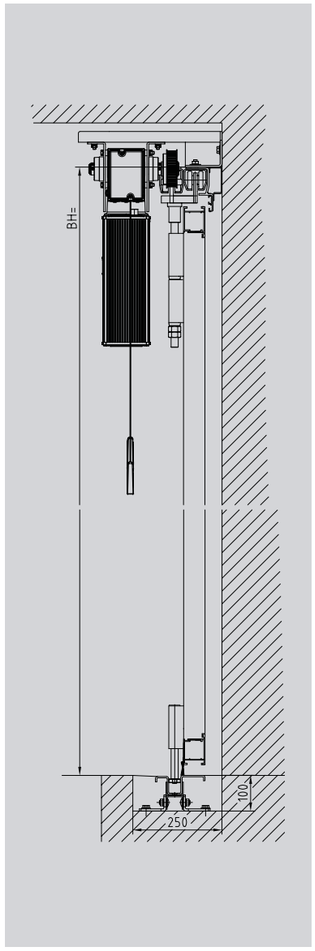
HIGHLIGHTS

- No space taken up by parking wings in front of openings on the inside of halls or outside areas
- Partial opening possible with ease
- Architectural design freedom similar to folding door
- Minimal lintel height
- Existing wall clearance as remaining passage clearance

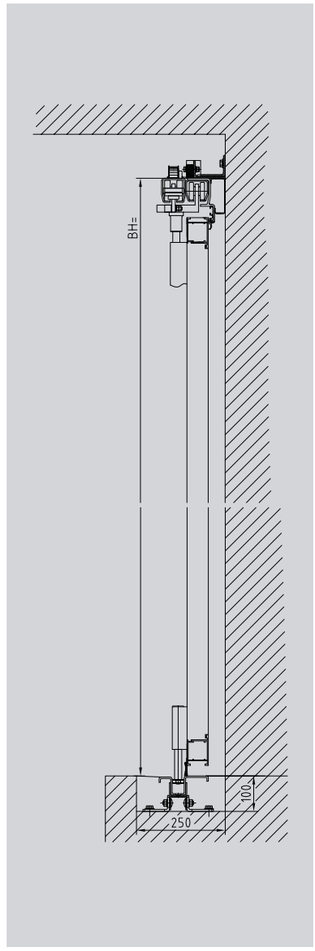
Technical data	AL602RS
Frame	Aluminium
Installation depth	min. 60 mm
Profile width	min. 87 mm
Max. door size	10,800 x 5,600 mm
Max. wing width	900 mm
Split versions:	2+0 / 2+2 / 4+0 / 4+3 / 4+0 / 4+4 / 5+0 / 5+5 / 6+0 / 6+6
Installed pedestrian door	Max. height 2,500 mm
Continuous glazing	Up to ordered height 4000 mm
Drive	Self-retaining mechanism possible
Heat resistance	on request
Fire protection class	Class 0
Motion cycles	200,000

TECHNICAL DETAILS: CIRCULAR TRACK SLIDING DOOR

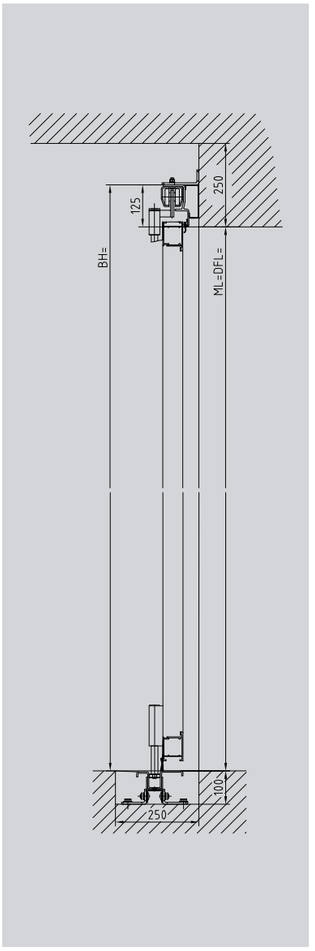
Drive system vertical section



Clamping device vertical section



Running rail vertical section



Sizes:

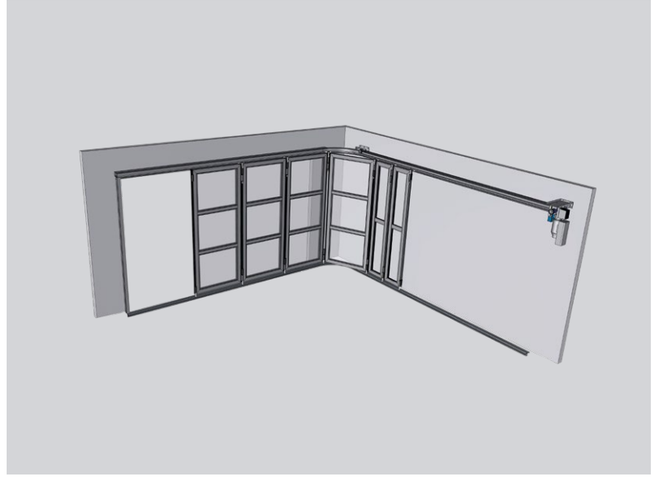
- Max. door width 10,800 mm
- Max. wing height 5,600 mm

Surface:

- Powder-coated in facade quality, RAL at customer's choice
- A6/C0 anodised

Operation:

- manually operated
- power-operated with sliding door operator



TECHNOLOGY & DRIVE SYSTEMS

Details

FOLDING DOOR / SLIDING FOLDING DOOR / CIRCULAR TRACK SLIDING DOOR SIZE RANGE

Type	AL601F 2.0	AL602F/SF	AL603F/SF	AL603EEF	ST602F/SF
Material	Aluminium	Aluminium	Aluminium, thermally separated	Aluminium, thermally separated	Steel
Max. door size ordered width x ordered height	10,400 x 4,800 mm	15,600 x 5,600 mm	15,600 x 5,600 mm	15,600 x 5,600 mm	15,600 x 7,000 mm
Max. wing width	1,300 mm	1,300 mm	1,300 mm	1,300 mm	1,300 mm

PANELS

SCHNEIDER folding doors consist of a sturdy frame design. The latter is filled with dual-wall sandwich design filling elements with clamped aluminium holding rails and sealing rubber, allowing the filling elements to be replaced easily. Depending on the door type, the following panel versions are available:

Aluminium panels for AL601F 2.0 / AL602F/SF / AL603F/SF / AL603EEF: Aluminium elements filled with Ökopor panels; surface: Smooth, Stucco; anodised or exposed aluminium as standard; smooth or in Edelweiss paint; Special premium powder-coating in RAL colours* or metallic and wood décor and/or highly weather resistant; individual design possible (sun, fishbone, ...)

Steel panels for ST602F/SF: Steel elements filled with Ökopor panels; galvanised steel as standard, premium powder-coating in RAL colours* or metallic in facade quality and/or highly weather resistant; *(not including fluorescent and pearl effect colours)

GLAZING

Genuine glass and perspex panels are fastened using clamped aluminium holding rails and EPDM rubber. This seals them very well, makes them easy to change, repair-friendly and easy to clean.

Depending on the type of glass, the following designs are possible in transparent, pearl structure or satin:

- Double insulating glass with U-values of 1.1 W/m²K or 2.7 W/m²K
- Triple insulating glass with a U-value of 0.7 W/m²K (not for AL601F 2.0)
- Laminated safety glass with U-values of 1.3 W/m²K or 2.9 W/m²K (not for AL601F 2.0)
- Plastic glasses: Acrylic, SAN
- Multi-skin sheets with a U-value of 2.27 W/m²K

PEDESTRIAN DOOR AND FLOOR RAIL

Pedestrian door with low-profile threshold
Pedestrian doors with low-profile thresholds make it easier to step through the door in both directions without having to open it in its entirety.

Heated floor rails with solid rollers
Our range of floor rails comprises simple standard solutions with Threshold to threshold-less versions to heated floor rails that provide reliable frost protection. To seal your door, we offer single and double lip seals and a brush seal.

CUSTOM SOLUTIONS
Not every need can be met by standard solutions. Our qualified and innovative employees are guaranteed to find the optimal folding door solution for your installation situation.

TECHNOLOGY & DRIVE SYSTEMS

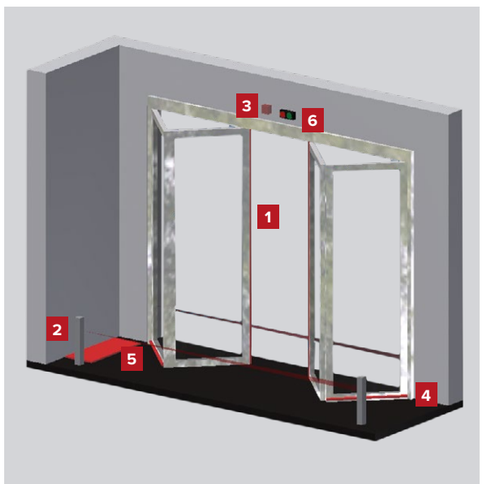
Details

MANUAL OPERATION AND AUTOMATED QUICK OPENING SYSTEM

Manually operated doors are equipped with an internal espagnolette mechanism and concealed bolt bars made of galvanized square steel. Operation via robust loop handle and a case lock integrated in the profile.

In the event of a fire or other emergency, every second counts. Safe and smooth procedures are basic requirements. Our mechanical quick opening mechanism was designed for this very purpose. Thanks to a spring-loaded stored energy system and end position damping, quick and safe manual opening of the doors in the event of an emergency is provided, even when the power goes out. On request, the unlocking can be triggered by radio and drive systems.

FOLDING DOOR SAFETY DEVICES



Required for self-retaining mechanism and/or two-way traffic:

1. Safety strip at the main closing edge
2. Light barrier or light grid
3. Signal lamp or red light with automated door closing system

If the space to the wall or the adjacent folding door is less than 500 mm:

4. Transverse safety strip or
5. Contact mat

The following is additionally required for two-way traffic:

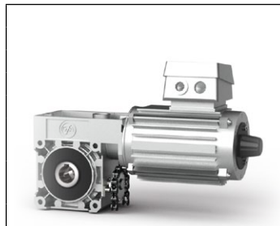
6. Red/green light

BASIC FOLDING DOOR DRIVE SYSTEM

Suitable for	AL601F 2.0, AL602F, AL603F, AL603EEF, ST602F
Supply voltage	230 V
Max. power rating	180 W
Opening time	Approx. 13 sec. at 2+2 split
Openings/day	Max. 50 opening motions
Wing width	Max. 800-1,300 mm
Wing height	max. 4,500 mm
Split versions	2+0 / 2+1 / 2+2 / 4+0 / 4+1 / 4+2 / 4+4
Type of protection	IP54 as standard
Controls	Self-retaining mechanism

- Motor/transmission unit in robust aluminium pressure housing with permanent grease lubrication
- Sliding door operates smoothly and quietly
- Soft stop at end positions
- Stepless power adjustment
- Reverse motion in case a obstacle is hit
- Self-locking gearbox unit
- Swing door opening for pedestrian passage via button/wireless
- Adjustable wing deceleration
- Car approach switchable, with individual time setting
- Easy to retrofit to existing systems and low-maintenance
- Drive disengagement in the event of a power failure with a cable pull from the ground

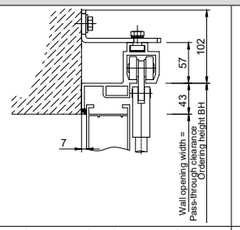
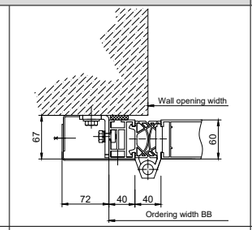
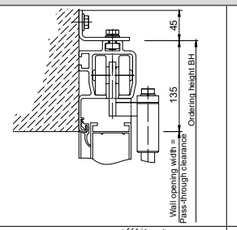
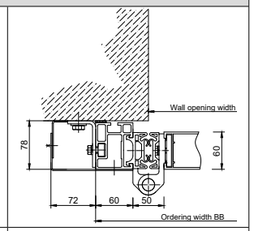
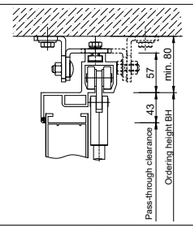
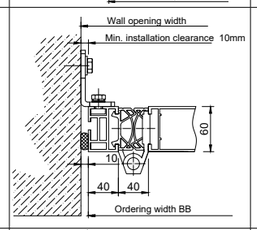
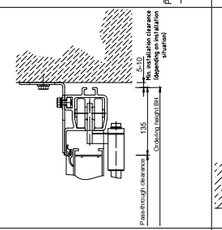
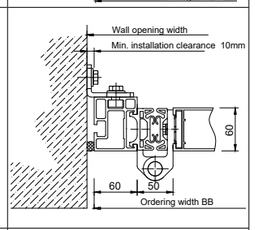
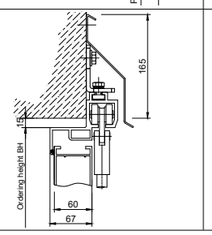
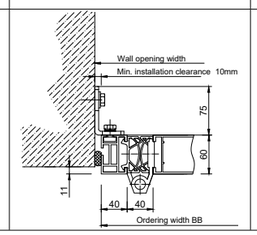
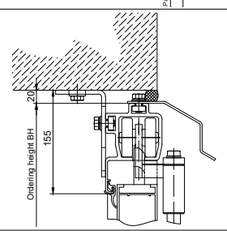
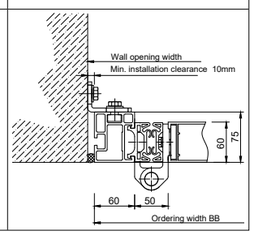
POWER-F FOLDING DOOR DRIVE

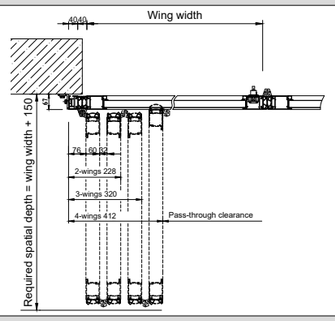
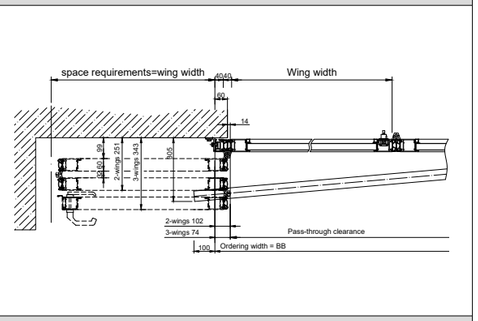
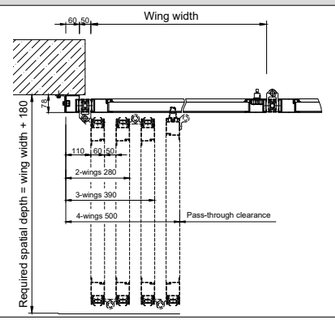
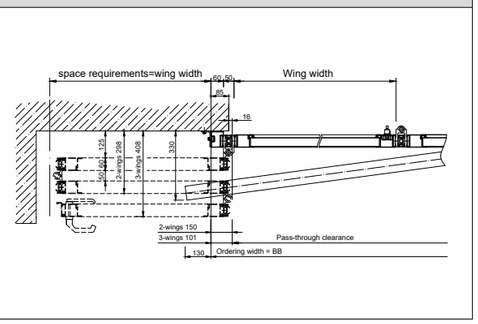


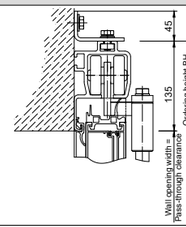
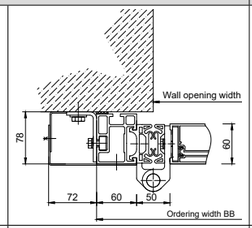
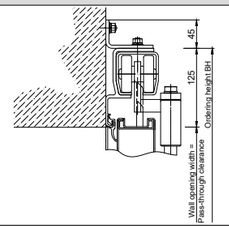
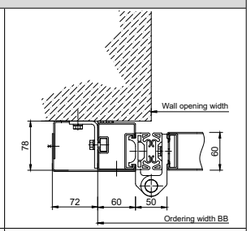
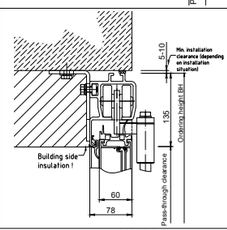
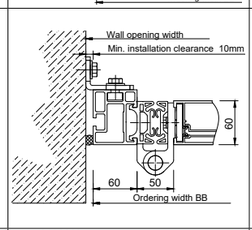
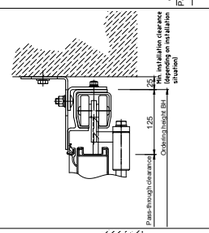
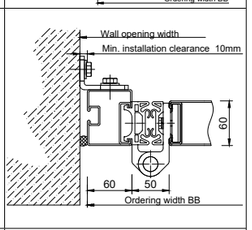
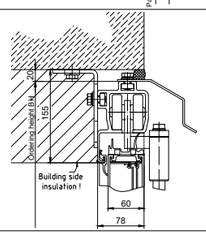
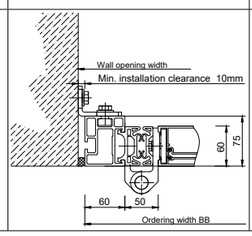
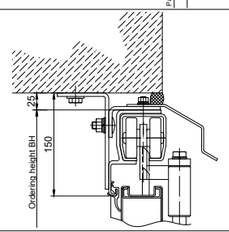
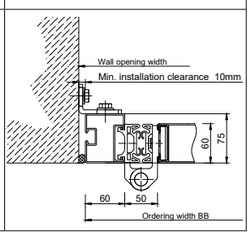
Suitable for	AL602F, AL603F, AL603EEF, ST602F
Supply voltage	400 V
Max. power rating	370 W
Opening time	approx. 10 sec.
Openings/day	Max. 100 opening motions
Wing width	max. 1,300 mm (aluminium doors) max. 1,300 mm (steel doors)
Wing height	max. 5,600 mm (aluminium doors) max. 6,500 mm (steel doors)
Split versions	0+2 / 2+1 / 2+2
Type of protection	IP65
Controls	Self-retaining mechanism, two-way traffic

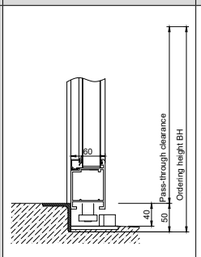
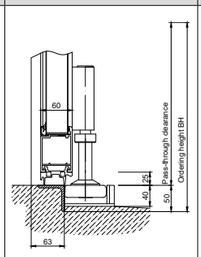
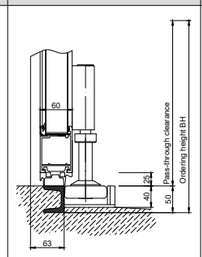
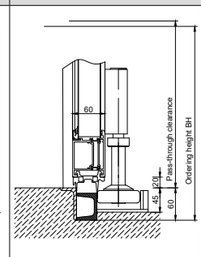
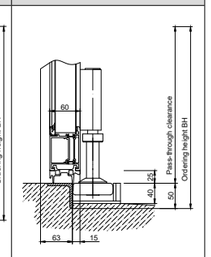
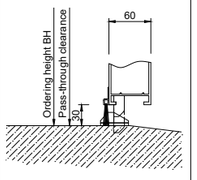
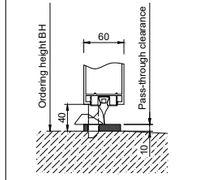
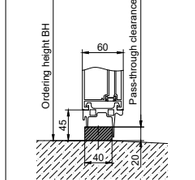
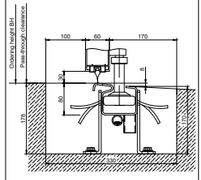
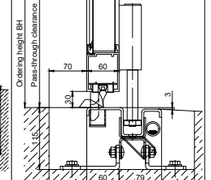
- Motor/gearbox unit in sturdy drive housing made from cast alloy
- Sliding door operates smoothly and quietly
- Self-locking gearbox unit
- Suitable for high frequency of use
- Car approach switchable, with individual time setting
- Drive disengagement in the event of a power failure with a cable pull from the ground
- Digital limit switch for distance limitation
- Self-retaining mechanism: OPEN – STOP – CLOSE button, closing edge safety device, flashing light
  two-way traffic: OPEN – STOP – CLOSE button, closing edge safety device, single (red light) or two-way traffic control (red/green light)

FOLDING DOOR INSTALLATION DETAILS

	AL601F 2.0 vertical	AL601F 2.0 horizontal	AL602F vertical	AL602F horizontal
Installation in front of/behind reveal (visualisation 90° opening)				
Installation in reveal (visualisation 90° opening)				
Corner installation (visualisation 90° opening)				

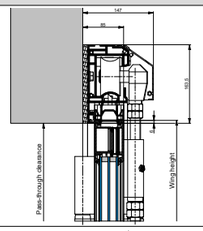
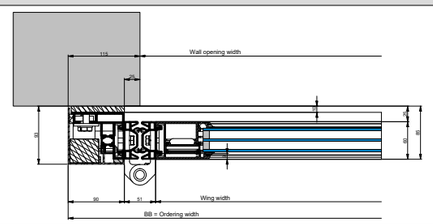
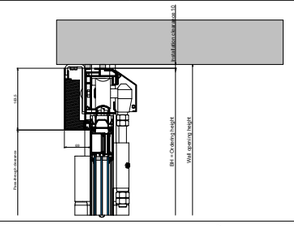
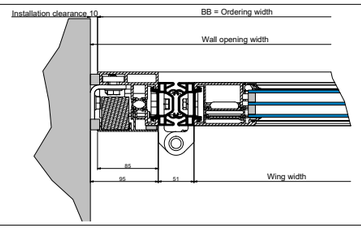
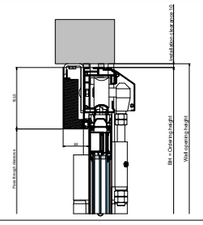
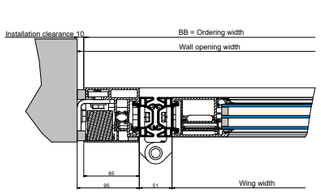
	90° opening AL601F 2.0	180° redirection (max. 3 wings, manually operated) AL601F 2.0
Lateral space requirements		
	90° opening AL602F / AL603F / ST602F	180° redirection (max. 3 wings, manually operated) AL602F / AL603F / ST602F
		

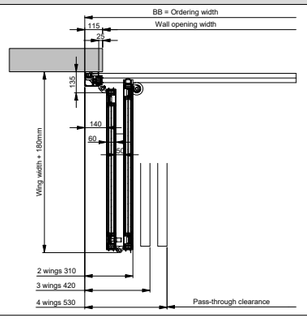
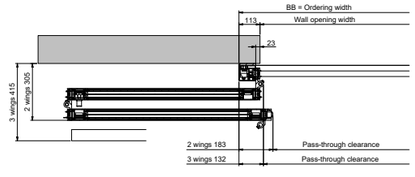
	AL603F vertical	AL603F horizontal	ST602F vertical	ST602F horizontal
Installation in front of/behind reveal (visualisation 90° opening)				
Installation in reveal (visualisation 90° opening)				
Corner installation (visualisation 90° opening)				

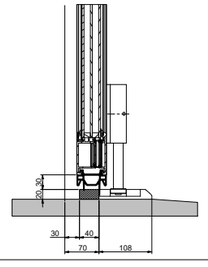
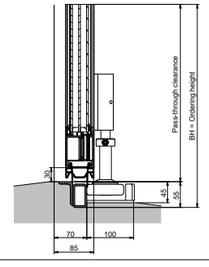
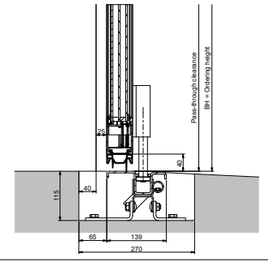
	L50/L50 stainless steel AL601F 2.0 / AL602F / ST602F	L50D / L50D stainless steel AL601F 2.0 / AL602F / ST602F	U50D AL601F2.0 / AL602F / AL603F / ST602F	DA AL603F	L50D / L50D stainless steel AL603F
Ground seal	 (Fig. AL601F 2.0)	 (Fig. AL602F)	 (Fig. AL602F)		
	Latch stop AL601F 2.0 / AL602F / ST602F	S10D AL601F 2.0 / AL602F / ST602F	S20D AL603F	BF (optionally heated) AL602F/SF / AL603F/SF / ST602F/SF	BF-light stainless steel (optionally heated) AL601F 2.0 / AL602F/SF / AL603F/SF / ST602F/SF
	 (Fig. AL602F)	 (Fig. AL602F)	 (Fig. AL602F)	 (Fig. AL602F)	 (Fig. AL602F)

BF – Flush floor guide | RA – Latch stop | DA – Double bracket

FOLDING DOOR INSTALLATION DETAILS

	AL603EEF	
	vertical	horizontal
Installation in front of/behind reveal (visualisation 90° opening)		
Installation in reveal (visualisation 90° opening)		
Corner installation (visualisation 90° opening)		

	90° opening AL603EEF	180° redirection (max. 3 wings, manually operated) AL603EEF
Lateral space requirements		

	S20D AL603EEF	DA AL603EEF	BF-light stainless steel (optionally heated) AL603EEF
Ground seal			

BF – flush floor guide | DA – Double bracket

DOOR SOLUTIONS

Emergency Services

Road Administration

Showroom Doors

Workshop Doors

Warehouse Doors

Hangar Doors

Railway Depot Doors

Fire Station Doors

Parking Garage

Commercial Doors

Agricultural Doors

Facade Doors

Car Wash Doors

Military facilities

Bus Depots

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