Profile system
- Glass folding door with highly thermally insulated aluminum profiles
- Bottom-loaded construction
- The construction depth of the profiles is 95 mm
- Rear-ventilated wooden cladding inside
- Option of flush or weathered bottom track
- The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- Panel open to the inside or outside
- Opening of panels by sliding to one side or to both sides
- Flush running and guide tracks
- Height variations and expansions may be compensated

Tests
- $U_w$ up to 1.0 W/m²K (with glazing $U_g = 0.5$ W/m²K)
- Air permeability class 4 according to EN 1026
- Rain tightness class 9A according to EN 1027
- Resistance to wind load class B5/C4 according to EN 12210
- Airborne sound insulation value $R_w = 36$ dB according to DIN EN ISO 140–3
- Burglar-resistance up to resistance class 2 (WK2)

Fittings
- All fittings are concealed within the profiles
- Low-maintenance, non-corroding and failsafe hardware components
- Locking of panels in top and bottom track and/or via mushroom head-lock engaging into the frame or adjacent panel
- Locking and unlocking of panels via flat handles with locking device for burglar resistance
- Optionally fitted with different lock types
- Hinges are secured against knocking-out of the pivot pins (burglar resistance)
- An open turn panel may be securely fixed to the adjacent panel by panel catchers

Running assembly
- Easy adjustment due to a height-adjustable carriage system
- The running assemblies are located above the water drainage area
- Low-noise, wear-, heat- and cold-resistant rollers

Sealing and ventilation
- Using EPDM gaskets at two levels guarantees rain- and wind-proofness

Glazing
- Glazing configuration 40 mm
- Subsequent replacement of panes without difficulty
Corner angles 90°–180° with or without corner post (only available with special corner post/special design!)

Typ I

Typ A

Corner angles 90°–180° (only available with special corner post/special design!)

Typ I

Typ A

Other floor plan geometries upon request

Typ A = Outward opening of panels
Typ I = Inward opening of panels

Technical modifications and errors reserved.
Folding Sliding System  SF 75c

Safety
The panels are locked and unlocked by means of a user-friendly single-handed manipulation of robust flat handles. For additional safety, different types of locks are available.

Mushroom head lock
For optimal tightness and burglar resistance the doorway panel (turn panel) is laterally being connected to the frame or the adjacent panel through a mushroom head lock.

Safety function panel catcher
In any opening position of the folding system an open turn panel may be safely locked to the adjacent panel by means of safety function panel catchers and be carried along in a controlled way.

Burglar resistance
All external hinges are additionally secured by means of a safety screw against knocking out of the hinge bolts.

Proper handle series
Handles matching the profile design guarantee a harmonized overall picture of the folding system in closed state and a small panel package in open state.

Twin-Lock locking mechanism
To guarantee additional safety, the optionally available twin-lock locking mechanism offers a maximum of security.

Height compensation
The height of the installed folding system may be easily adjusted by a few hand grips, only – this is important in case of eventual structure sagging.

Assembly
The assembly shoes allow a fast and trouble-free assembly of the frame and a fine adjustment of the vertical frame profiles in the closing range.

Technical modifications and errors reserved.
Folding Sliding System  SF75c

Details at even panel partition in one direction

Details at even and uneven panel partition in two directions

Ref.  Section  Description  Page
--  SF75c-000  Vertical-Section, timber clad designs (classic, modern (soft), squared)  5
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F  SF75c-003  Vertical-Section, connection bottom track / outside folding  5
A  SF75c-002  Vertical-Section, connection top track / inside folding  5
A  SF75c-004  Vertical-Section, connection top track / outside folding  6
E  SF75c-101  Horizontal-Section, blind frame - panel closing section / inside folding  6
E  SF75c-102  Horizontal-Section, blind frame - panel closing section / outside folding  6
C  SF75c-103  Horizontal-Section, panel - panel / hinge outside  6
D  SF75c-104  Horizontal-Section, panel - panel / hinge inside  7
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G  SF75c-108  Horizontal-Section, panel - panel closing section  8
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D  SF75c-111  Horizontal-Section, sliding post / hinge inside  8
D  SF75c-115  Horizontal-Section, closing section - sliding post (e.g. 1U2R) / outside folding  9
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E  SF75c-117  Horizontal-Section, blind frame - panel closing section incl. sliding post (e.g. 2R) / outside folding  9
E  SF75c-118  Horizontal-Section, blind frame - panel closing section incl. sliding post (e.g. 2R) / inside folding  9
--  SF75c-119  Horizontal-Section, profile section - sliding post (e.g. 2U2R) / outside folding  10
--  SF75c-120  Horizontal-Section, profile section - sliding post (e.g. 2U2R) / inside folding  10

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