

Sectional door

Insulated industrial exterior door

40 mm thick panels

Outside sections fitted with stylish Microline finish

Available with separate windows or window sections with aluminum window frames

Exterior available in 19 standard colours at no extra charge



Wind- and waterproof connection between the sections

Comprehensive range in filling options

Inside sections standard in RAL 9002



ISO 40 mm

Alpha's all-rounder

Properties

- max. B x H = 8.000 x 6.000 mm, max. surface area (BxH) = 48 m²
- U-value ISO 40 mm sectional door: 5.000 x 5.000 mm: 0,99 W/m²K
- wind load resistance class 3-4 according to EN 12424, or up to 12-13 Beaufort (118 - 149 km/h)
- stable sections with microline profiling in 19 standard colors at no extra cost
- manual or electrically operated
- integrated wicket door available
- EN 13241 compliant

ISO 40 mm

The ISO 40 mm sectional door is the best selling Alpha door. The door combines excellent thermal and sound insulation properties with modern designed micro-profiled panels. The possibilities are limitless in design and content, so the door is always perfectly configured for any situation. Choose from a variety of window types, heights and widths and a variety of 19 standard Alpha's in-house colours.

Dimensions	
max. width (W)	8.000 mm
max. height (H)	6.000 mm
max. surface area	48 m ²
section thickness	40 mm
ALU-sections possible	yes
μ value at 5.000 x 5.000 mm	0,99 W/m ² K (completely shut)

Components and construction

The ISO 40 mm sectional door consists of horizontal panels that roll on a rail system under the ceiling. Torsion springs balance the door's weight, making manual operation possible. In addition to standard lift, extra lift, vertical lift, roof slope lift and low lift are also available.

Materials

- thermally insulated, galvanized steel sandwich panels, insulated with polyurethane foam (CFC-free)
- panel thickness 40 mm
- end caps in galvanized steel
- rails made of Sendzimir galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and 11 mm shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- top, side and bottom seal of insulating material
- seal between the panels of insulating material

Surface treatment

- the exterior side of the panels has a microline profiling and a polyester-coating in RAL3000, RAL5003, RAL5010, RAL6005, RAL6009, RAL7005, RAL7015, RAL7016, RAL7021, RAL7022, RAL7035, RAL8014, RAL9002, RAL9005, RAL9006, RAL9007, RAL9010, Goosewing Grey or Merlin Grey. Other RAL colors available¹
- the interior side of the panels has a horizontal profiling and a polyester-coating in RAL9002. Other RAL colors available¹

Window and panel options

- various oblong window sizes available, with straight or rounded corners, containing single or double insulating glazing
- extra low burglar resistant windows or attractive round windows
- one or more panels constructed of anodized aluminum profiles with double acrylic, polycarbonate or Plexiglas glazing, polycarbonate hollow-core plate or single-walled perforated aluminium plate in 2 variations

Drive

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with dead-man's control, pulse control or remote control.

Technical details electric drive

- power..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- power frequency..... 50 / 60Hz
- degree of protection..... IP54

Protection

- emergency hand chain hoist at operating height
- spring break protection
- anti lift protection
- according to EN 13241

Control and operation

- control voltage:..... 24Vdc
- mains supply external devices:..... 24Vdc (350mA) / 230Vac (1,6A)
- status and information display (including 6 most-recent faults)
- maintenance-cycle counter
- force monitoring in OPEN direction: sudden changes to the counter-balancing are detected. Self-learning feature and consequently no activation of force monitoring function due to, e.g., a change in spring tension
- automatic detection of direct inverter (DI) or frequency inverter (FI). Setting of output speed, soft start, soft stop, braking ramps, etc. is possible

Other forms of operation that can be connected to the standard control box:

- operation by pull switch, key-operated switch, push-button, photocell, radar, induction loop detection or remote control



Available controls:

TS971, TS981

Structural provisions and connection (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 1 m of where the control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE by others)
- with standard CEE-plug, the control box is IP54 compliant

Options / accessories ¹⁾

Control and operation

- fast version (with frequency control)
- additional controls as described above available at surcharge
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)

Protection

- leading photocell (without wiring at door)
- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return
- outside locking cylinder

Construction

- integrated, outward opening wicket door with closer and cylinder lock (max. Opening width 6.000 mm)
- separate 'wicket door', next to the ISO door
- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30.000 or 60.000 cycle springs

¹ subject to surcharge



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Sectional door

Insulated industrial exterior door

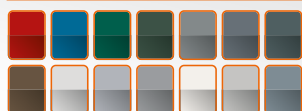
60 mm thick thermally decoupled profiles

Outside sections fitted with stylish Microline finish

Available with separate windows or window sections with aluminum window frames

Standard and Heavy-duty frame available

Exterior available in 14 standard colours at no extra charge



Wind- and waterproof connection between the sections

Comprehensive range in filling options

Inside sections standard in RAL 9002



ISO 60 mm

The effective partition between climate zones

Properties

- max. B x H = 8.000 x 6.000 mm, max. surface area (BxH) = 48 m²
- U-value ISO 60 mm sectional door: 5.000 x 5.000 mm: 0,84 W/m²K
- wind load resistance class 3-4 according to EN 12424, or up to 12-13 Beaufort (118 - 149 km/h)
- stable sections with microline profiling in 14 standard RAL colors at no extra cost
- manual or electrically operated
- integrated wicket door available
- EN 13241 compliant

ISO 60 mm

ISO 60 mm sectional doors are extra good insulating and sealing overhead doors that feel right at home in places where the separation between climate zones is important. Do you want to keep your production or storage at an evenly temperature, the ISO 60 mm is the right choice. The steel panels are micro profiled in-house and have excellent sound absorbing and heat-insulating properties and are extremely weather resistant.

Dimensions	
max. width (W)	8.000 mm
max. height (H)	6.000 mm
max. surface area	48 m ²
section thickness	60 mm
ALU-sections possible	yes
μ value at 5.000 x 5.000 mm	0,84 W/m ² K (completely shut)

Components and construction

The ISO 60 mm sectional door consists of horizontal panels that roll on a rail system under the ceiling. Torsion springs balance the door's weight, making manual operation possible. In addition to standard lift, extra lift, vertical lift, roof slope lift and low lift is available.

Materials

- thermally insulated, galvanized steel sandwich panels, insulated with polyurethane foam (CFC-free)
- panel thickness 60 mm
- end caps in galvanized steel
- rails made of Sendzimir galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and chromed 11 mm shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- top, side and bottom seal of insulating material
- seal between the panels of insulating material

Surface treatment

- the exterior side of the panels has a microline profiling and a polyester-coating in RAL3000, RAL5010, RAL6005, RAL6009, RAL7005, RAL7015, RAL7016, RAL7022, RAL7035, RAL8014, RAL9002, RAL9006, RAL9007 or RAL9010. Other RAL colors available¹
- the interior side of the panels has a horizontal profiling and a polyester-coating in RAL9002. Other RAL colors available¹

Window and panel options

- rectangled windows with double-walled glazing and an excellent insulative value
- one or more panels constructed of anodized aluminum profiles with (double or triple) insulated acrylic- polycarbonate- or plexiglas glazing

Drive

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with dead-man's control, pulse control or remote control.

Technical details electric drive

- power..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- power frequency..... 50 / 60Hz
- degree of protection..... IP54

Protection

- emergency hand chain hoist at operating height
- spring break protection
- anti lift protection
- according to EN 13241

Control and operation

- control voltage:..... 24Vdc
- mains supply external devices:..... 24Vdc (350mA) / 230Vac (1,6A)
- status and information display (including 6 most-recent faults)
- maintenance-cycle counter
- force monitoring in OPEN direction: sudden changes to the counter-balancing are detected. Self-learning feature and consequently no activation of force monitoring function due to, e.g., a change in spring tension
- automatic detection of direct inverter (DI) or frequency inverter (FI). Setting of output speed, soft start, soft stop, braking ramps, etc. is possible

Other forms of operation that can be connected to the standard control box:

- operation by pull switch, key-operated switch, push-button, photocell, radar, induction loop detection or remote control



Available controls:

TS971, TS981

Structural provisions and connection (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 1 m of where the control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE by others)
- with standard CEE-plug, the control box is IP54 compliant

Options / accessories ¹

Control and operation

- fast version (with frequency control)
- additional controls as described above available at surcharge
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)

Protection

- leading photocell (without wiring at door)
- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return
- outside locking cylinder

Construction

- integrated, outward opening wicket door with closer and cylinder lock (max. Opening width 6000 mm)
- separate 'wicket door', next to the ISO door
- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30.000 or 60.000 cycle springs

¹ subject to surcharge



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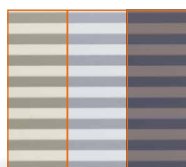
Sectional door

Insulated industrial exterior door

80 mm thick thermally decoupled profiles

Available with separate windows or window sections with aluminum window frames

Exterior sections fitted with stylish Microline finish, as standard in RAL 9002, 9006 or 7016



Other RAL Colors available (Optional)

Interior standard in RAL 9002
Other RAL Colors available (Optional)

Optimal bottom sealing with double sealing profile

Double top seal

Completely thermally insulated with plastic seals between all metal surfaces

Wind- and waterproof connection between the sections



ISO 80 mm

The maximum insulation between climate zones

Properties

- max. B x H = 8.000 x 6.000 mm, max. surface area (BxH) = 42 m²
- U-value ISO 80 mm sectional door: 5.000 x 5.000 mm: 0,49 W/m²K
- wind load resistance class 3-4 according to EN 12424, or up to 12-13 Beaufort (118 - 149 km/h)
- standard sections with microline profiling at no extra cost
- manual or electrically operated
- EN13241 compliant



ISO 80 mm

ISO 80 mm sectional doors are the best insulating and sealing overhead doors for places where the separation between climate zones is crucial. Do you want to keep your production or storage at an evenly temperature, the ISO 80 mm is the right choice. The steel panels are micro profiled in-house and have superb sound absorbing and heat-insulating properties and are extremely weather resistant.

Dimensions	
max. width (W)	8.000 mm
max. height (H)	6.000 mm
max. surface area	42 m ²
section thickness	80 mm
μ value at 5.000 x 5.000 mm	0,49 W/m ² K (completely shut)



Components and construction

The ISO 80 mm sectional door consists of horizontal panels that slide under the ceiling or up vertically on a rail system. The connection between the sections is wind- and waterproof. Since all connections between the metal surfaces have plastic insulation, the ISO 80 mm is completely thermally insulated. Torsion springs balance the door's weight, making manual operation possible. The ISO 80 mm is available with rail system T450, T400, T500 and with the HF versions as well.

Materials

- thermally separated, galvanized steel sandwich panels, insulated with polyurethane foam (CFC-free)
- panel thickness 80 mm
- thermally separated end caps in galvanized steel
- rails made of Sendzimir galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and 11 mm steel shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- multiple top, side and bottom seals of insulating rubber
- seal between the panels of insulating material

Surface treatment

- the exterior side of the panels has a microline profiling and a polyester coating in RAL 9002, RAL 9006 or RAL 7016. Other RAL colors available ¹
- the interior side of the panels has a horizontal stucco profiling and a polyester coating in RAL 9002. Other RAL colors available ¹

Window and panel options

- windows with straight corners and quadruple insulating glazing ¹
- ALU panels for more visibility (maximum 3 pieces, maximum width 6.000 mm)

Drive

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with dead-man's control, pulse control or remote control.

Technical details electric drive

- power..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency: 50 / 60Hz
- degree of protection IP54

Protection

- emergency hand chain hoist at operating height
- spring break protection
- anti lift protection
- according to EN 13241
- standard double opto sensors

Control and operation

- control voltage: 24Vdc
- main supply external devices: 24Vdc (350mA) / 230Vac (1,6A)
- status and information display (including 6 most-recent faults)
- maintenance-cycle counter
- force monitoring in OPEN direction: sudden changes to the counter-balancing are detected. Self-learning feature and consequently no activation of force monitoring function due to, e.g., a change in spring tension
- automatic detection of direct inverter (DI) or frequency inverter (FI). Setting of output speed, soft start, soft stop, braking ramps, etc. is possible

Other forms of operation that can be connected to the control box:

- operation by pull switch, key-operated switch, push-button, photocell, radar, induction loop detection or remote control



Available controls:

TS971, TS981

Structural provisions and connection (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- an extra side room of 2 x 12,5 mm is necessary
- if an electric motor is specified, a CEE plug socket must be installed within 1 m of where the control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE by others)
- with standard CEE-plug, the control box is IP54 compliant

Options / accessories ¹

Control and operation

- additional controls as described above available at surcharge
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)

Protection

- leading photocell (without wiring at door)
- cable break protection
- anti lift protection
- connection of traffic lights (red/green or red and green)
- warning flash light (orange)
- heavy shoot bolt with spring return

Construction

- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30.000 or 60.000 cycle springs

¹ subject to surcharge



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