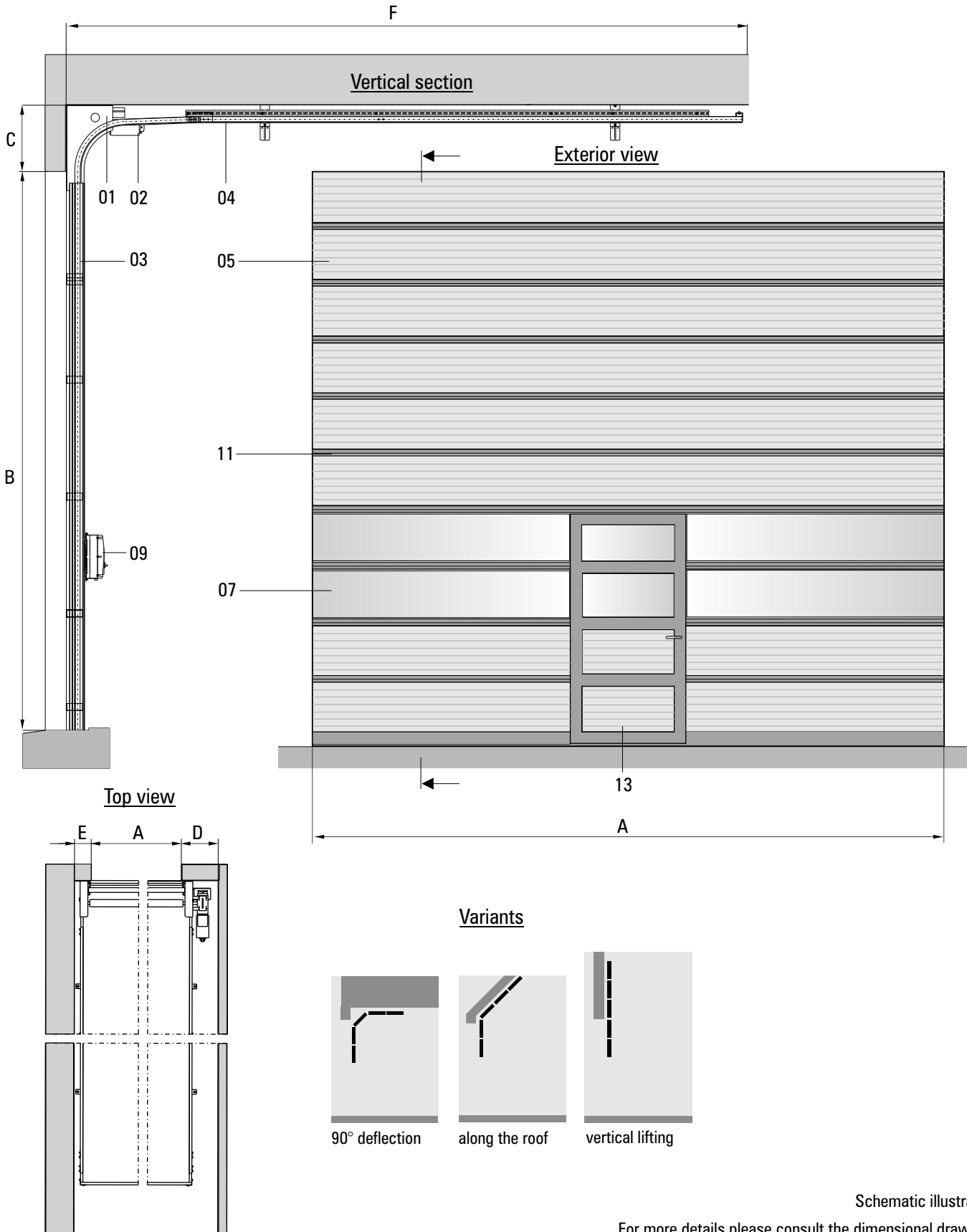


Technical Data
Sectional Doors SECTIOLITE ST40 and ST40T



| Maß / Pos. | | Technical Data Sectiolite® Doors | ST40 | |
|------------|---|---|--|-----------------------------------|
| | | Technical state July 2019 | ST40 | ST40T (incl. pass door) |
| A | Door dimensions [mm]* | Width min./ max. (extra width upon request) | 1500 / 6000 | 2500 / 5500 |
| B | | c/o height min. / max. | 2100 / 5000 | 2800 / 5000 |
| C | Lintel requirement [mm]* | Min. (values in brackets: LS> 5500) / standard | 350 (400) / 800 | 400 / 800 |
| D | Lateral space requirements | drive unit side min. / max. | 185 / 400 | 185 / 400 |
| E | | non-drive unit side min. / max. | 185 | 185 |
| F | Space requirements room depth [mm] | min. required room depth for the guide rails | see dimensional drawings | |
| | Door panel height [mm] | Approximate value (minor deviations are possible, depending on door type) | 500 | 500 |
| | Opening speed [m/s]* | Relay- respectively contactor- / or frequency converter; up to | 0.25 / 1.0 | 0.25 / 0.60 |
| | Opening cycles / operating time* Values for contactor- or frequency converter control Cycle: Opening and closing = two load alternations | Door cycles, usually up to annually for contactor-/ or respectively frequency converter control (SDS60, SDS100, SPRINT) | 50 000 / 100 000 | 50 000 / 50 000 |
| | | Maintenance interval, after max. door cycles or after interval | 20.000 / 30.000 or 1 year respectively | 20.000 or 1 year respectively |
| | | Number of cycles, on average [1 / hour] | 10 / 20 | 10 / 20 |
| | | Increased number of cycles over max. 1 hour [1 / hour] | 20 / 30 | 20 / 30 |
| | | Increased number of cycles over max. 15 minutes [1 / min] | -- / 1 | -- / 1 |
| | Wind load* | Classification according to DIN EN 12424** | 2 -5 | 2 - 3 |
| | Air permeability | Classification according to DIN EN 12426** | 4 | 3 |
| | Resistance to water penetration | Classification according to DIN EN 12425** | > 3 | 3 |
| | Airborne sound insulation Rw (C;Ctr) [dB] | According to DIN EN ISO 717-1** | 23 (without test certificate) | 24 (without test certificate) |
| | Operating forces / safe opening | According to EN 13241-1 | fulfilled | fulfilled |
| | Burglar resistance | Resistance class 3 according to DIN V ENV 1627 | -- | -- |
| | Thermal insulation value Ud * | Obtainable Ud-value for the door [W/m²K] | 2.7 | 2.9 |
| 01 | Cassettes | Steel, galvanised | ■ | ■ |
| | | Steel, primed | -- | -- |
| 02 | Drive unit | Worm gear motor incl. brake and integrated anti-drop device | ■ | ■ |
| | | Spur wheel back-geared motor incl. brake | -- | -- |
| | | Driving power [kW]* | 0.85 kW - 1.8 kW | 0.85 kW - 1.8 kW |
| | | Insertion foils to improve the thermal insulation value | □ | □ |
| 03 | Tracks vertical Surface | Aluminium profile trilaterally closed | ■ | ■ |
| | | Blank | ■ | ■ |
| | | Anodised E6 / C-0 (EV1) | □ | □ |
| | | RAL colour coated (special colours upon request) | □ | □ |
| | | Anodised according to British Standard | □ | □ |
| 04 | Rails guided along the ceiling Horizontal-, guided along the roof- or vertically guided, above | Steel, anodised | ■ | ■ |
| 05 | Door leaf fibreglass filling Other fillings | Thickness of the twin-walled fibreglass panels [mm] | 40 | 40 |
| | | Fibreglass colours brilliant / emerald / sapphire | ■ | ■ |
| | | Insertion foils for the improvement of the thermal insulation value | □ | □ |
| | | Up-value of the fibreglass panel with max. amount of insertion foils [W/m²K] | 1.4 | 1.4 |
| | | Fibreglass light transmittance up to (light transmittance depending on colour and Up-value) | 47 - 78% | 47 - 78% |
| | | Fire behaviour according to EN13501 / building material grade according to Sandwich d=40mm | E / B2 upon request | E / B2 upon request |
| 06 | Real class door panel Insulating glass filling (1,1 W/m²K) made of 2x4mm or 2x3mm tempered safety glass with an overall thickness of 24mm | With 1-2 vertical transoms, depending on door width Not allowed to be used as overhead glazing - for vertical installations only | upon request | upon request |
| 07 | Vision panel Plastic glazing, divided by vertical interspacers, depending on door width overall width 24mm | Double glazing 2x2,35mm, SAN, Hardcote- coated | ■ | ■ |
| | | Triple glazing 3x2,35mm, SAN, Hardcote- coated | □ | □ |
| | | Double glazing 2x3mm, PC (Makrolon,) | -- | -- |
| 08 | Emergency opening | With crank handle (not suitable for low-height lintel) | □ | □ |
| | | With hoist chain | ■ | ■ |
| | | Including uninterrupted power source (UPS) | upon request | upon request |
| 09 | Control system | BDC E800 R Relay- or contactor control respectively , power connection 400 V/50 Hz (L1,L2,L3,N,PE), pre-fuse 10 A C-characteristics, only type B residual-current operated circuit | ■ | ■ |
| | | BDC E800 F4 - frequency converter for sort start and a higher opening speed, power consumption 230V / 50Hz (L1,N,PE), pre-fuse 16A C-characteristics, only type B residual-current operated circuit breaker | □ | □ |
| | | 4 kW frequency converter control power connection 400V / 50Hz (3,N,PE), pre-fuse 16A C-characteristics , only type B residual-current operated circuit | □ | □ |
| 10 | Safety | Drive unit with integrated anti-drop device | ■ | ■ |
| | | Optoelectronic safety edge control with power supply via energy chain or busbar respectively | ■ | -- |
| | | Signal-leading photo eye | -- | ■ |
| | | External photo eye | □ | □ |
| | | External light curtain | □ | □ |
| | | Laser sensor | □ | □ |
| | | Anti-opening protection | ■ | ■ |
| 11 | Surface Door panel profiles made of aluminium | Anodised E6 / C-0 (EV1) | ■ | ■ |
| | | RAL colour coated | □ | □ |
| | | Anodised according to British Standard | □ | □ |
| 12 | Options | Car wash set [FR / NR] | □ | □ |
| | | Lintel cover made of fibreglass | □ | □ |
| 13 | Description pass door (ST40T only) <small>Note: The door is not approved as an escape door. The installation of a panic lock does not change this.</small> | Passage width of the doorway [mm] | -- | 900 |
| | | Passage height standard / optional [mm] | -- | 2000 / 2100 |
| | | Threshold level / incl. wet room option [mm] | -- | ~25 / 130 |
| | | Position in the door system | -- | centred |
| | | Band width | -- | DIN left |
| | | Opening direction | -- | outwards (opposite to cassettes) |
| | | Lock with falling latch prepared for locking cylinder PZ 30/50 | -- | ■ |
| | | Top door lock with sliding rail | -- | ■ |
| | | Door fittings made of aluminium EV1 | -- | ■ |
| | | Panic set type B / type E | -- | □ / □ |
| | | Vision element | -- | □ |

* Depending on door size and equipment ■ standard
 ** Test certificate and test report are available respectively □ available
 *** Guide value, the value may differ, i.e. may be much higher or lower depending on the operating conditions. -- not available