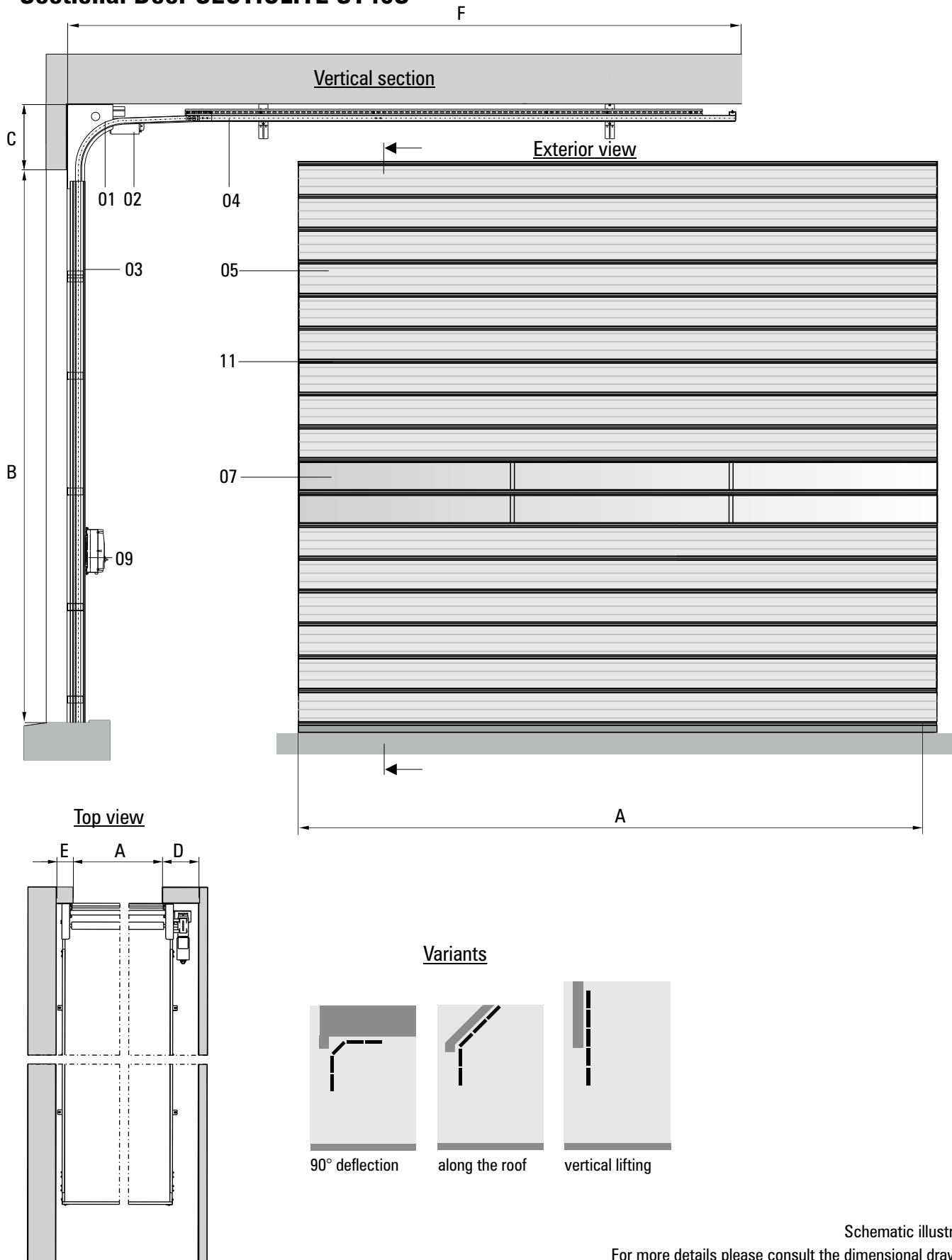


Technical Data Sectional Door SECTIOLITE ST40S



Maß / Pos.		Technical Data Sectiolite® Doors	ST40S		
		Technical state July 2019	SECURITY (WK3)	STORM	SPRINT
A	Door dimensions [mm]*	Width min./ max. (extra width upon request)	1000 / 6000	1000 / 6000	1000 / 4500
B		c/o height min. / max.	2000 / 5000	2000 / 5000	2000 / 5000
C	Lintel requirement [mm]*	Min. (values in brackets: LS> 5500) / standard	-- / 800	350 (400) / 800	350 / 800
D	Lateral space requirements	drive unit side min. / max.	300	185 / 400	185 / 400
E		non-drive unit side min. / max.	185	185	185
F	Space requirements room depth [mm]	min. required room depth for the guide rails	see dimensional drawing		
	Door panel height [mm]	Approximate value (minor deviations are possible, depending on door type)	250	250	250
	Opening speed [m/s]*	Relay- respectively contactor- / or frequency converter; up to	0.25 / 1.00	0.25 / 1.00	0.25 / 1.50
	Opening cycles / operating time*	Door cycles, usually up to annually for contactor- / or respectively frequency converter control (SDS60, SDS100, SPRINT)	50000 / 100000	50000 / 100000	-- / 100.000
		Maintenance interval, after max. door cycles or after interval	20000 / 30000 or 1 year respectively	20000 / 30000 or 1 year respectively	30.000 or 1 year respectively
	Values for contactor- or frequency converter control Cycle: Opening and closing = two load alternations	Number of cycles, on average [1 / hour]	10 / 20	10 / 20	-- / 30
		Increased number of cycles over max. 1 hour [1 / hour]	20 / 30	20 / 30	-- / 60
		Increased number of cycles over max. 15 minutes [1 / min]	-- / 1	-- / 1	-- / 3
	Wind load*	Classification according to DIN EN 12424**	3 - 5	3 - 5	3 - 5
	Air permeability	Classification according to DIN EN 12426**	4	4	4
	Resistance to water penetration	Classification according to DIN EN 12425**	> 3	> 3	> 3
	Airborne sound insulation Rw (C;Ctr) [dB]	According to DIN EN ISO 717-1**	-	-	-
	Operating forces / safe opening	According to EN 13241-1	fulfilled	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]	upon request	upon request	upon request
01	Cassettes	Steel, galvanised Steel, primed	■ --	■ --	■ --
02	Drive unit	Worm gear motor incl. brake and integrated anti-drop device	■	■	■
		Spur wheel back-gear motor incl. brake	--	--	--
		Driving power [kW]*	0.85 kW - 1.8 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 cassette	Steel, anodised	■	■	■
05	Door leaf fibreglass filling Other fillings	Thickness of the twin-walled fibreglass panels [mm]	40	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	1.4
		Fibreglass light transmittance up to (light transmittance depending on colour and Up-value)	47 - 78%	47 - 78%	47 - 78%
		Fire behaviour according to EN13501 / building material grade according to DIN Sandwich d=40mm	E / B2 --	E / B2 --	E / B2 --
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	--	--	--
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	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 soft 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	electromechanical lock	■	■
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) Note: The door is not approved as an escape door. The installation of a panic lock does not change this.	Passage width of the doorway [mm]	--	--	--
		Passage height standard / optional [mm]	--	--	--
		Threshold level / incl. wet room option [mm]	--	--	--
		Position in the door system	--	--	--
		Band width	--	--	--
		Opening direction	--	--	--
		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
 ** Test certificate and test report are available respectively
 *** Guide value, the value may differ, i.e. may be much higher or lower depending on the operating conditions.

■ standard
 □ available
 -- not available