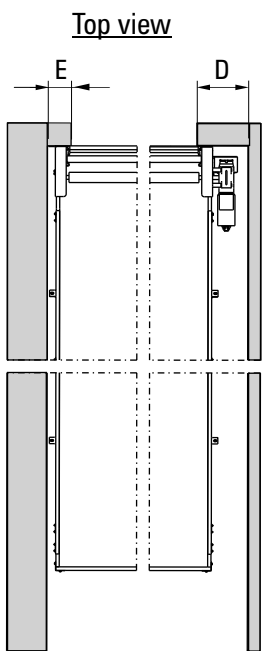
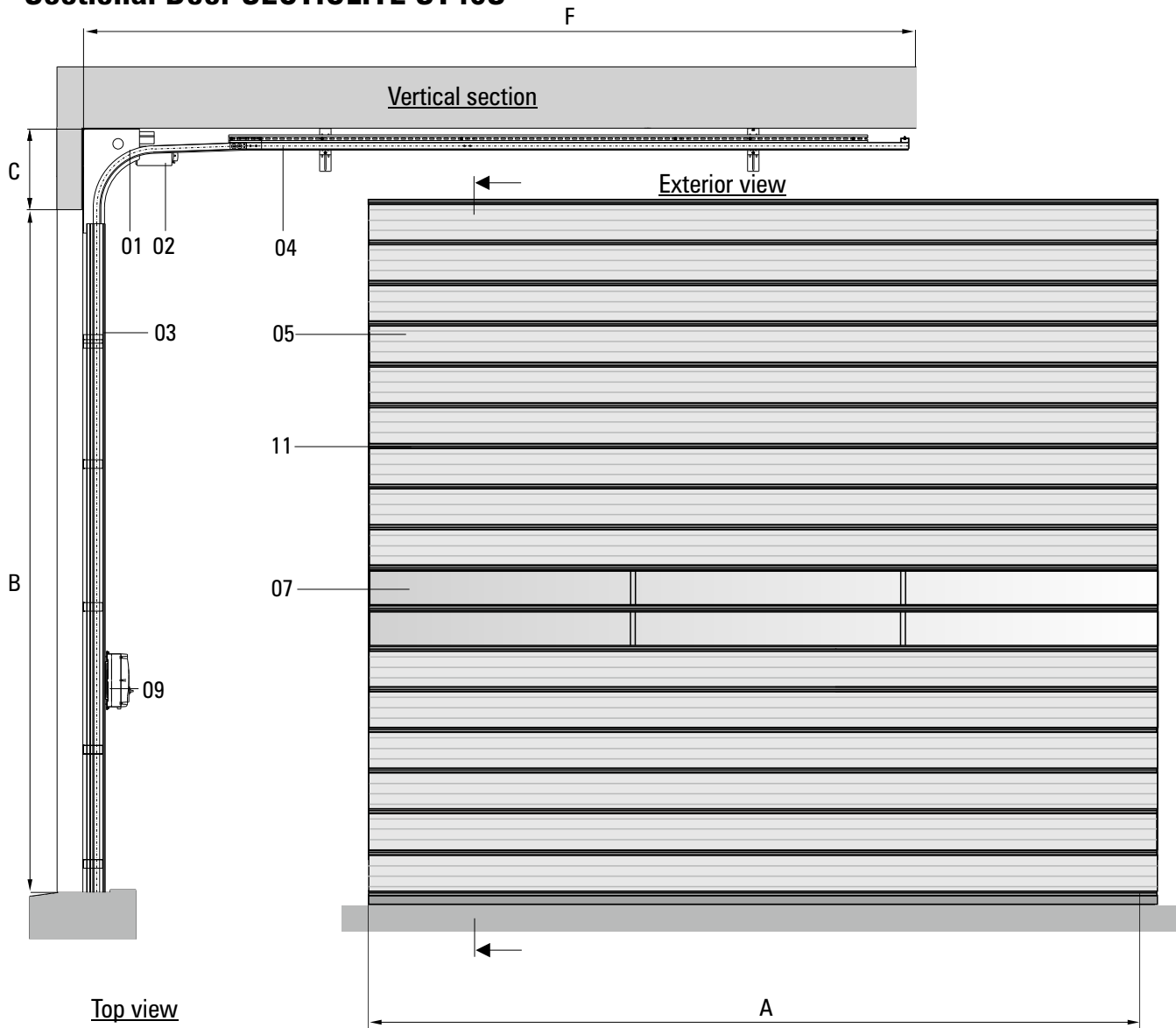
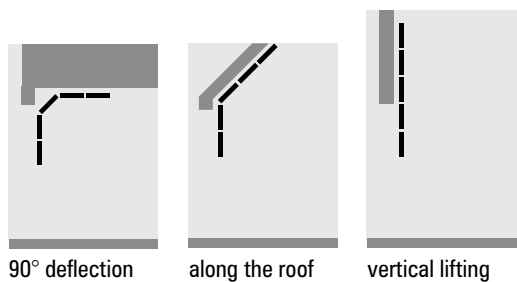


Technical Data
Sectional Door SECTIOLITE ST40S



Variants



Dim. / Pos.	Technical Data Sectional doors SECTIOLITE®		ST40S			
	Technical state March 2020		SECURITY (RC3)	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 requirement	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 dimensial drawings			
	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)	50 000 / 100 000	50.000 / 100.000	-- / 100.000	
		Values for contactor- or frequency converter control	Maintenance interval, after max. door cycles or after interval	20 000 / 30 000 or annually	20.000 / 30.000 or annually	30.000 or annually
	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 according to DIN/TS 18194: RC3	■	□	--	
	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-geared motor incl. brake	--	--	--	
03	Tracks vertical Surface	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	□	□	□	
		Aluminium profile trilaterally closed	■	■	■	
		Blank	■	■	■	
		Anodized E6 / C-0 (EV1)	□	□	□	
04	Rails guided along the ceiling	RAL colour coated (special colours upon request)	□	□	□	
		Anodised according to British Standard	□	□	□	
		Steel, anodised	■	■	■	
05	Door leaf fibreglass filling	Thickness of the twin-walled fibreglass panels [mm]	40	40	40	
		Fibreglass colours brilliant / emerald	■	■	■	
		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 acc. to EN13501 / building material grade acc. to DIN 4102	E / B2	E / B2	E / B2	
06	Real glass door panel	1-2 transoms depending on door width	--	--	--	
07	Vision panel	Insulating glass filling (1.1 W/m²K) made of 2x4mm or 2x3mm tempered safety glass with overall	--	--	--	
		Double glazing 2x2,35mm, SAN, Hardcote- coated	--	■	■	
		Triple glazing 3x2,35mm, SAN, Hardcote- coated	--	--	--	
08	Emergency opening	Double glazing 2x3mm, PC (Makrolon)	■	--	--	
		With crank handle (not suitable for low-height lintel)	□	□	□	
09	Control system	With hoist chain	■	■	■	
		Including uninterrupted power source (UPS)	upon request	upon request	upon request	
		BDC E800 R relay- or contactor control respectively, power consumption 400 V/50 HZ (L1,L2,L3,N,PE), pre-fuse 10 A C-characteristics, FI type B only	■	■	--	
10	Safety	BDC E800 F4 - frequency converter control for soft start and a higher opening speed, power consumption 230V / 50Hz (L1,N,PE), pre-fuse 16A C-characteristics, FI type B only	□	□	--	
		4 kW frequency converter control power connection 400V / 50Hz (3,N,PE), pre-fuse 16A C-characteristics , FI type B only	□	□	■	
		Drive unit with integrated anti drop device	■	■	■	
		Optoelectronic safety edge control with power supply via energy chain	■	■	■	
11	Surface	Signal-leading photo eye	--	--	--	
		External photo eye	□	□	□	
		External light curtain	□	□	□	
		Lasers sensor	□	□	□	
12	Options	Anti-opening protection	electromechanical lock	■	■	
		Door panel profiles made of aluminium	Anodised E6 / C-0 (EV1)	■	■	■
		RAL colour coated	□	□	□	
13	Description pass door (ST40T only)	Anodised according to British Standard	□	□	□	
		Car wash set [FR / NR]	--	□	□	
13	Note: The door is not approved as an escape door. The installation of a panic lock does not change this.	Lintel cover made of fibreglass	--	□	□	
		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