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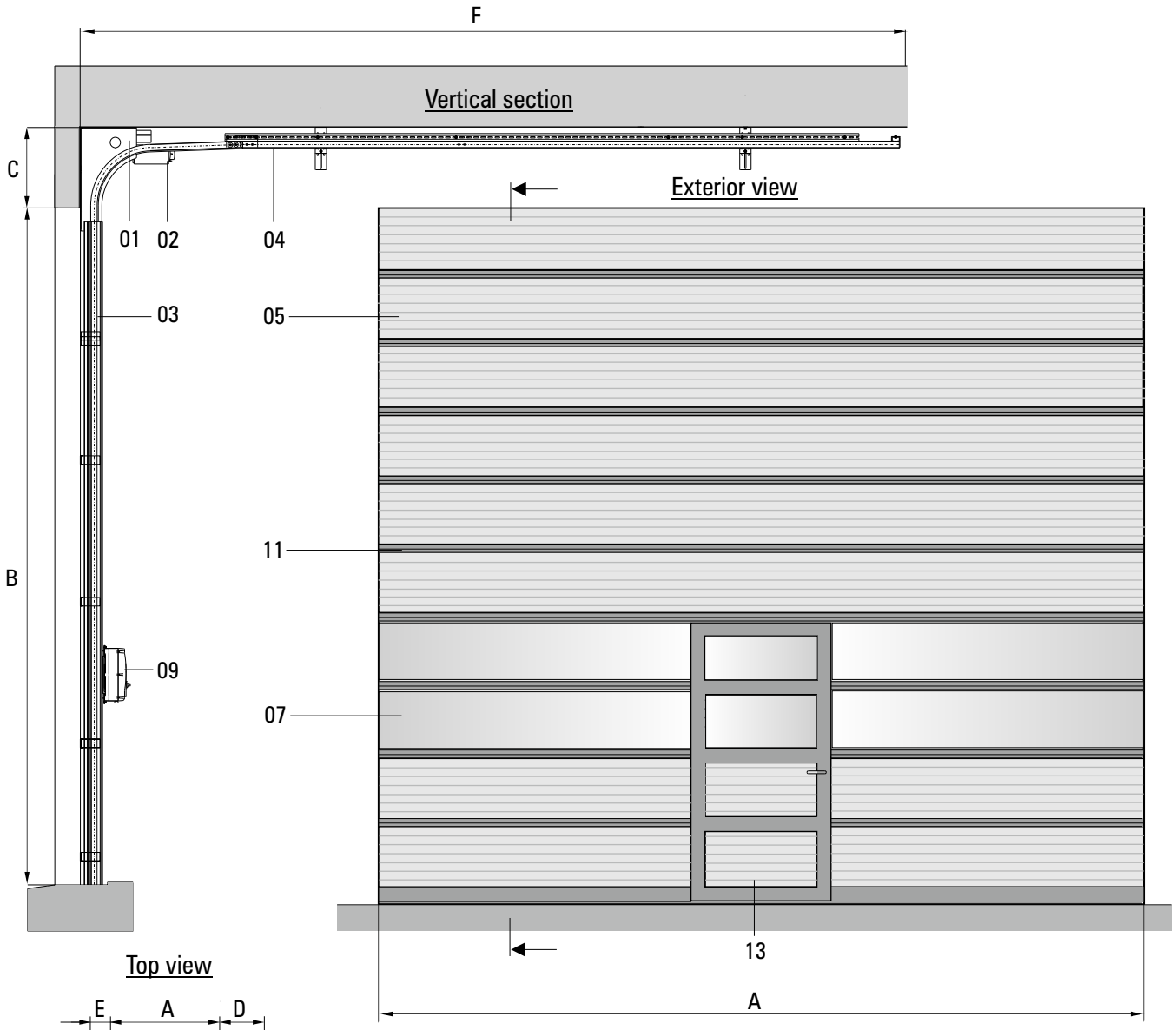
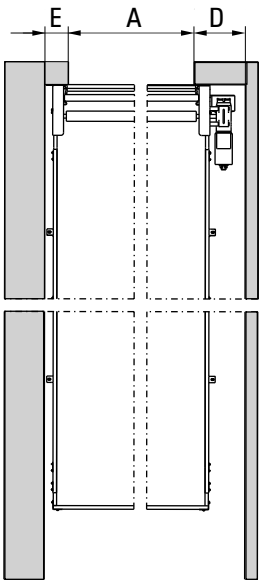
BUTZBACH
THE DOOR COMPANY.

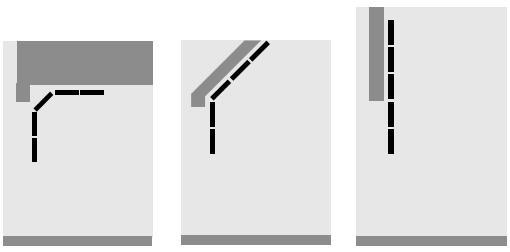
Technical Data
Sectional Doors SECTIOLITE ST40 and ST40T



Top view



Variants



90° deflection | along the roof | vertical lifting

Schematic illustration

For more details please consult the dimensional drawings

5416.4150 V · Version of 12.08.19 · Subject to technical alterations.

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Maß / Pos.	Technical Data Sectiolite® Doors Technical state July 2019		ST40 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*	Door cycles, usually up to ….. annually for contactor-/ or respectively frequency converter control (SDS60, SDS100, SPRINT)	50000 / 100000	50000 / 50000
	Values for contactor- or frequency converter control	Maintenance interval, after max. door cyles or after interval	20.000 / 30.000 or 1 year respectively	20.000 or 1 year respectively
	Cycle: Opening and closing = two load alternations	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	Aluminium profile trilaterally closed	■	■
	Surface	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	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	E / B2	E / B2
	Other fillings	Sandwich d=40mm	upon request	upon request
06	**Real class door panel**	With 1-2 vertical transoms, depending on door width	upon request	upon request
	Insulating glass filling (1,1 W/m²K) made of 2x4mm or 2x3mm tempered safety glass with an overall thickness of 24mm	Not allowed to be used as overhead glazing - for vertical installations only		
07	**Vision panel** Plastic glazing, devided 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 breaker	■	■
		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	■	■
		Optoelectronical 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)** 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]	--	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
** 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