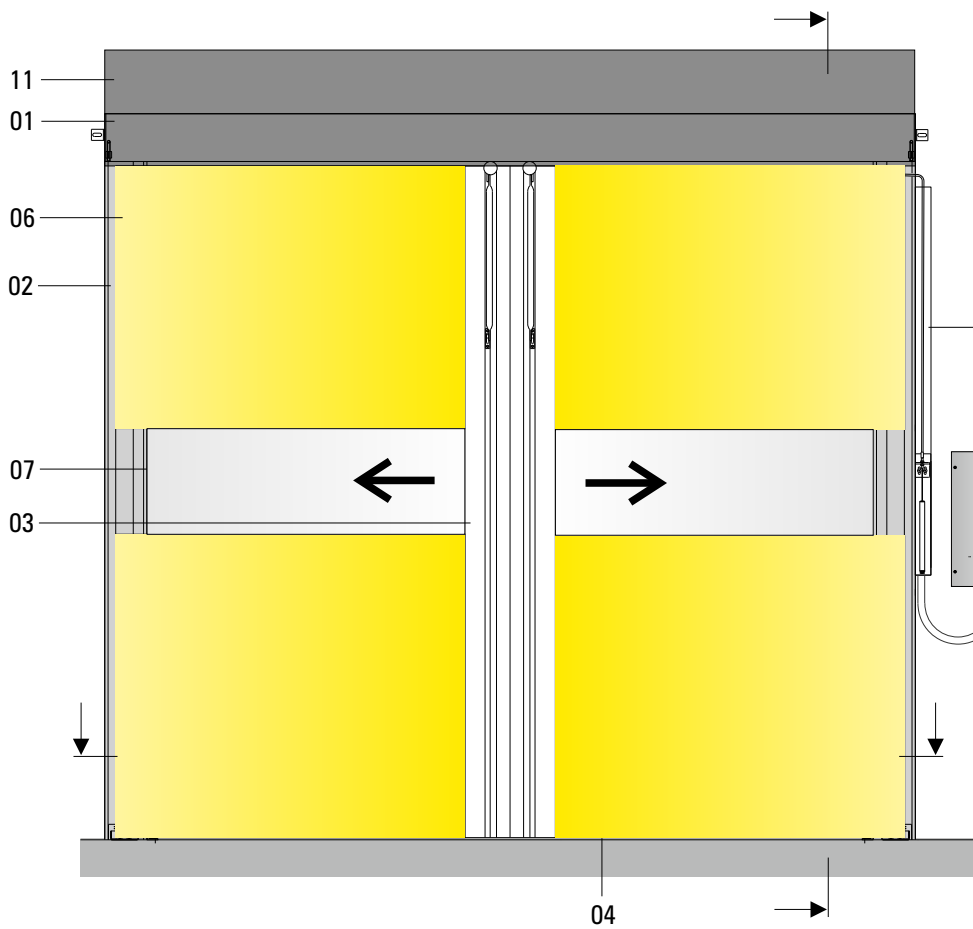
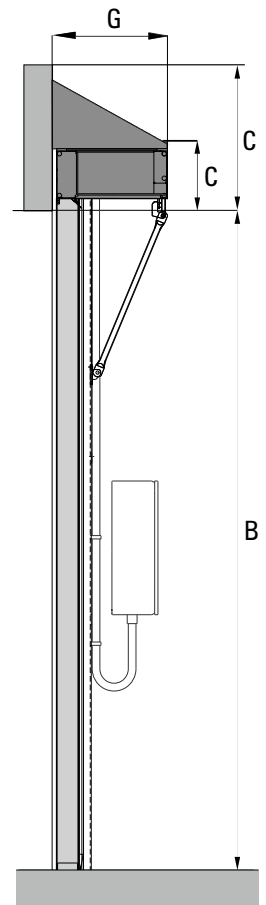


Technical Data High-Speed Door NOVOSPRINT® Syncro Hygiene

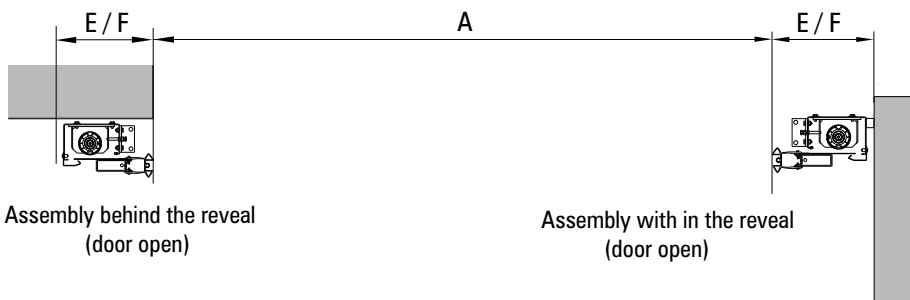
View



Vertical section



Horizontal section



Maß / Pos.	Technical Data NOVOSPRINT®	incl. Hygiene Option	Syncro
	Technical state July 2019		single-skinned
	Use*	Interior door / exterior door (only admissible when installed together with an external door)	■ / --
	Opening speed [m/s]*	Standard / optional ultraspeed, up to:	3.5 / 5.0
	Closing speed [m/s]*	Standard, up to:	1.5
	Opening cycles /operating time*	Total number of door cycles annually, typically up to:	350 000
	Cycle: Opening and Closing = two load alternations	Maintenance interval, after max. number of door cycles or intervals respectively	125 000 or respectively 1 year
		No. of cycles, average [1 / hour]	60
		Increased no. of cycles for max. 1 hour [1 / hour]	120
		Increased no. of cycles for max. 15 minutes [1 / min]	6
	Warranty on springs*	Generally for up to Cycles for max. 2 years	500 000
A	Clear opening width [mm]	C/o width min. / max. standard skin (PVC), Values in bracket upon request C/o width min. / max. for skin (PVC), antistatic or foodsafe door skin	1000 / 4500 1000 / 4300
B	Clear opening height [mm]	C/o height min. / max. Values given in brackets upon request	1700 / 4500
C	Space requirement, top (lintel) [mm]*	Head section area standard / incl. optional hood (30°)	330 / 650
D	Space requirement, lateral (non-drive side) [mm]*	Minimum (wall-mounted control system)	--
E	Space requirement, lateral (drive-unit side) [mm]*	Minimum (wall-mounted control system)	350
F	Space requirement, lateral (drive-unit side) [mm]* for integrated ground closure	Minimum (wall-mounted control system)	410
G	Required space, total depth [mm]*	Without additional equipment	420 or 520
	Wind load [km/h] / Beaufort-class* (Beaufort-Description)	No performance defined, reference value acc. to DIN EN 12424 for double-skinned doors	--
	Air permeability	No performance defined, reference value acc. to DIN EN 12426	class 0
	Resistance to water penetration	No performance defined, reference value acc. to DIN EN 12425	class 0
	Airborne noise insulation Rw (C;Ctr) [dB]	According to DIN EN ISO 717-1**	--
	Operating forces / Safe opening	According to EN 13241-1**	fulfilled
	Thermal insulation value Ud * [W/m²K] of the door	No performance defined, reference value according to DIN EN 12428 [W/m²K]	5.9
01	Horizontal head section to accommodate the drive technology	Sheet steel design stainless steel (X5CrNi18-10) vision area polished Drive unit made of steel, primed with epoxyd resin and RAL 7035 colour coated; low-maintenance toothed belt drive	■ ■
02	Vertical jamb housing to accommodate the winding mechanism of the door skin	Edge profiles and metal covers made of stainless steel (X5CrNi18-10) vision area polished Jamb cover made of 7035 RAL colour coated aluminium with mit PVC-skin strips Roll shaft anodised and epoxy resin primed Bearing plates and ball bearings made of stainless steel	■ ■ ■ ■
03	Vertical carrier to accommodate the safety edge control	Steel pipe design made of stainless steel (X5CrNi18-10) blanc with fixed steel struts, RAL 7035 colour coated	■
04	Ground closure	Lowering the leaves when closed (please consider the installation width)	upon request
05	Drive unit	Worm gear motor with double brake (incl. emergency handle - normally closed) Worm gear motor with double brake (without emergency handle - currentless opening) Splash-pooof drive motor, two-layer protective coating Electric motor incl. frequency converter - driving power [kW]	■ □ ■ 0.75 kW
06	Door skin	PVC-coated polyester fabric on both sides yellow colour, similar RAL 1003 Printed door-skin according to digital motif file (e.g. jpg) On both sides PVC-coated polyester fabric in special colour PVC-free design (similar to RAL 1003) Food safe TPU-coating, comparable with FDA (similar to RAL 1003) Antistatic design (similar to RAL 1003) Flame retardant design (Building material grade DIN 4102 - B1)	■ upon request □ □ □ □ □
07	Vision element	Horizontal vision element made of PVC height 520mm (from 1480mm to 2000mm) Horizontal vision element made of PVC in special heights up to 1000mm (also available with or without multiple vision fields)	■ □
08	Emergency opening	Via Bowden cable - automatic opening (Note: Upon request the door may be pushed completely open manually.) Opens automatically when currentless (Note: Upon request, the door may be pushed completely open manually.) Suitable for use in escape routes and rescue paths, in accordance with DGUV 208/044, Only valid for Germany: An approval in accordance with the provincial law may be required in specific cases. c/o width > 1600	■ □ □
09	Control system	BDC E800 F - frequency converter control for a soft start-up and a higher opening speed located in stainless steel housing (w 400 x h 600 x d 200), power supply 230V / 50Hz (L1,N,PE), pre-fuse 16A C-characteristic, residual current-operated circuit breaker type B only Stainless steel housing optionally in special »Hygienic Design« (approx. w 390 x h 770 x d 210 mm); Schutzart IP69k (nach DIN 40050-9)	■ □
10	Safety	Optoelectronic safety edge control, integrated inside the door leaf, power supply via energy chain. External photo eye External light curtain Crash protection (stay bar with unlatch mechanism) Laser sensor	■ □ □ □ □
11	Options	Hood for head section, stainless steel (X5CrNi18-10), visible side is polished, hood slanted approx. 30°	□
12		Pulse transmitter: Mushroom button / radar-sensor/ pull switch / radio control	□
13		Pulse transmitter: Infrared light sensor / radar motion sensor / induction loop detectors	□
14		Airlock control systems	□

* 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 in dependance of the operating conditions -- not available / not defined