Automotive industry

Smooth flow of materials and efficient processes

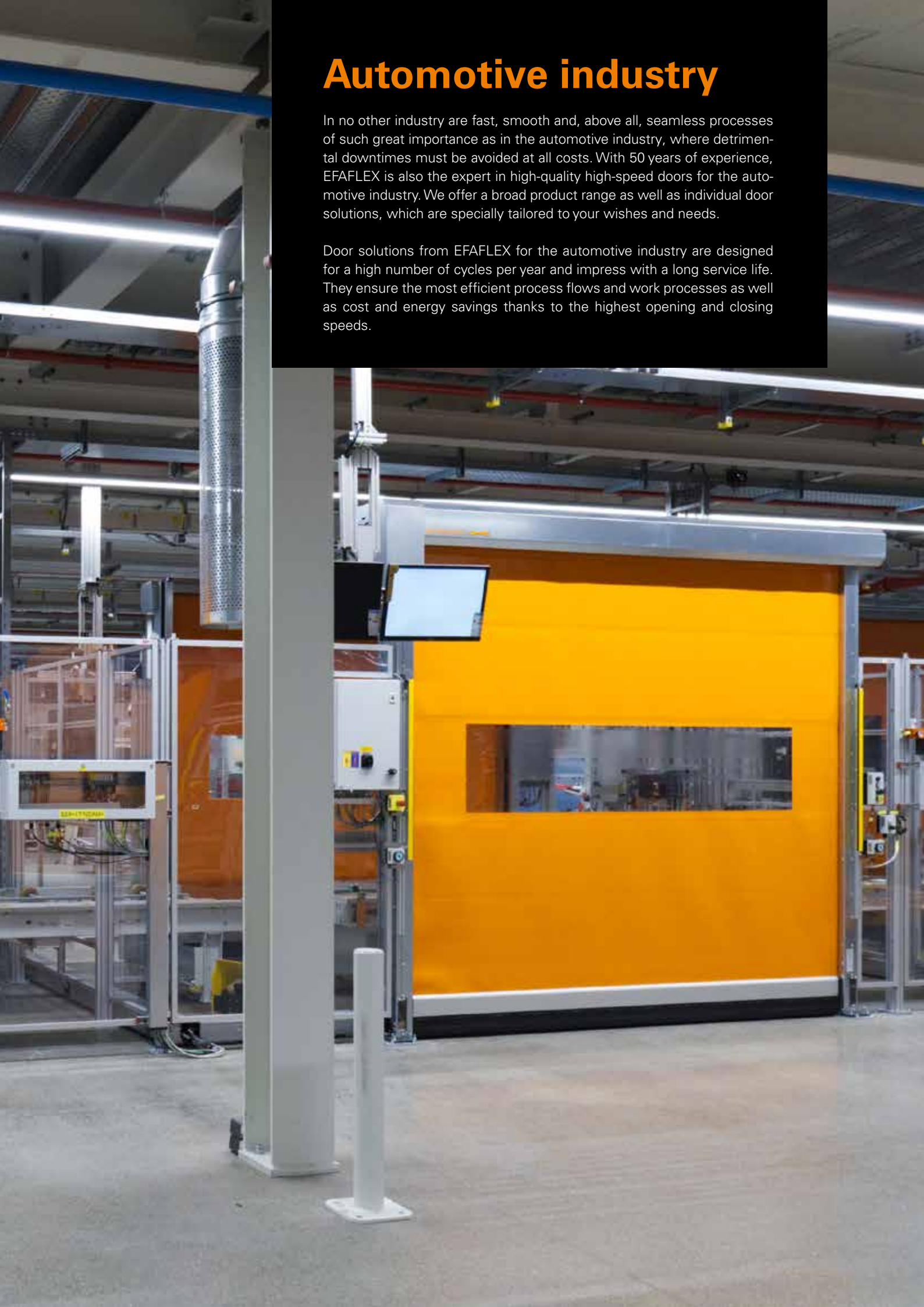
EFAFLEX

safe high-speed doors

Automotive industry

In no other industry are fast, smooth and, above all, seamless processes of such great importance as in the automotive industry, where detrimental downtimes must be avoided at all costs. With 50 years of experience, EFAFLEX is also the expert in high-quality high-speed doors for the automotive industry. We offer a broad product range as well as individual door solutions, which are specially tailored to your wishes and needs.

Door solutions from EFAFLEX for the automotive industry are designed for a high number of cycles per year and impress with a long service life. They ensure the most efficient process flows and work processes as well as cost and energy savings thanks to the highest opening and closing speeds.



Individual solutions for the automotive industry.

High-speed spiral door EFA-SST®
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High-speed turbo roll-up door EFA-STR®
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High-speed turbo door EFA-STT®
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For more information about our solutions for the automotive industry visit:
www.efaflex.com/automotive-industry

YOUR ADVANTAGES AT A GLANCE:

- Diverse, industry-specific door solutions for the challenges of the automotive industry
- Low maintenance outages prevent expensive downtimes
- High opening and closing speeds minimise heat loss and thus contribute to energy savings
- Individual door solutions and specially developed controls for the automotive industry (e.g. AIDA)

High-speed roll-up door EFA-SRT® MTL

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High-speed spiral door EFA-SST® MS

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High-speed roll-up door EFA-SRT® MS

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High-speed roll-up door EFA-SRT®

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EFA-SST®
AT A GLANCE:

- Max. heat insulation with EFA-THERM® laths
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Also available in low-header design
- Standard sizes of up to w=10,000 mm, h=12,000 mm

Spiral door technology in perfection. EFA-SST®

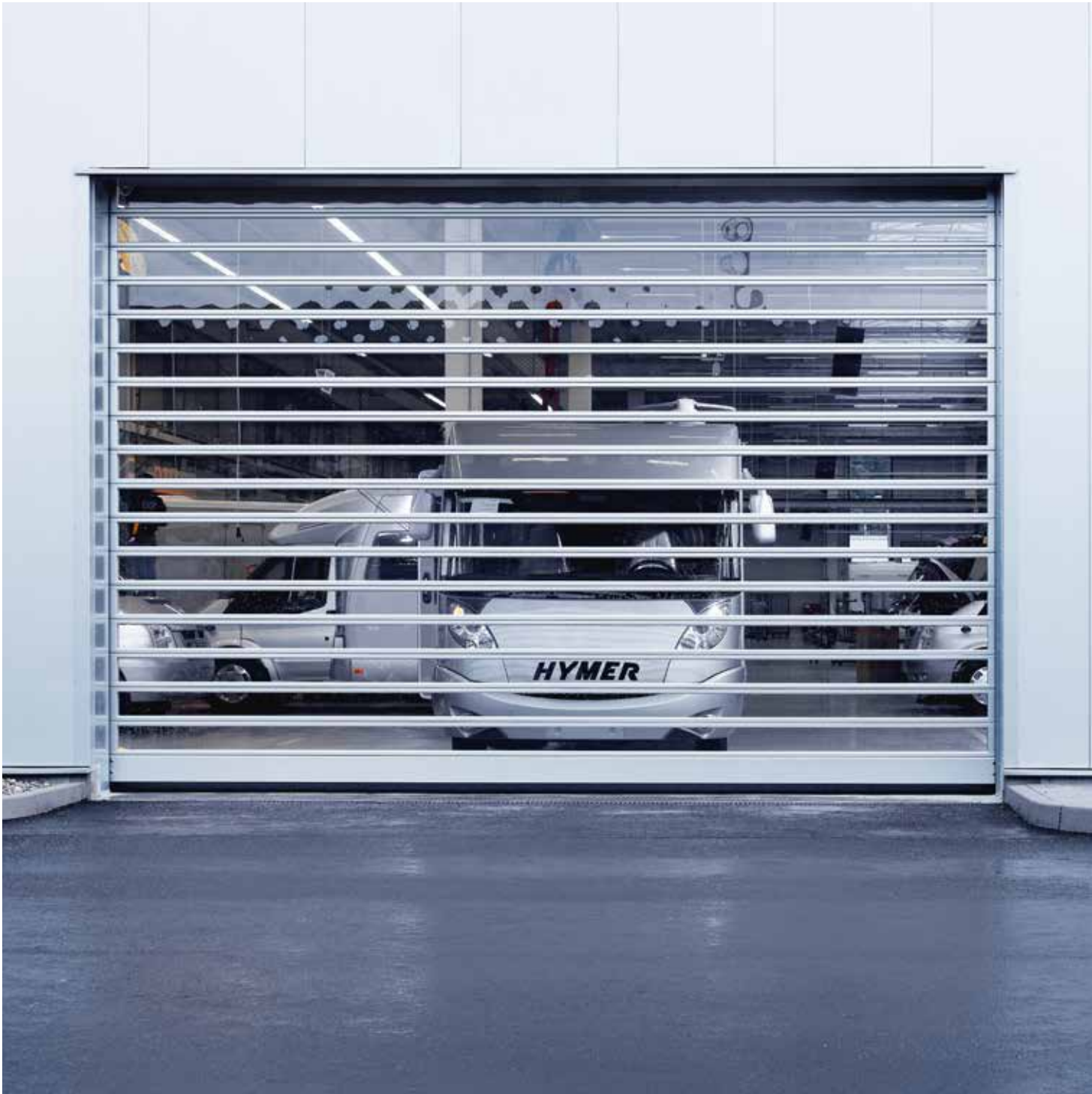
The EFA-SST® high-speed spiral door represents a modern generation of industrial doors: perfect insulation, energy-efficient functionality, state-of-the-art technology. During the technical redesign, particular attention was paid to improving the physical properties of the door leaf as well as optimising the functionality, thus once again raising the standard of EFAFLEX industrial doors.

The transparent turbo door.
EFA-STT®

Thanks to laths made of crystal-clear acrylic glass, the door leaf of the EFA-STT® is over 70 percent transparent – this makes it a unique high-speed door worldwide: robust and yet almost completely see-through. The ability to see through the door offers advantages where two-way traffic occurs: Accidents are prevented and smooth transport operations are guaranteed.

EFA-STT®
AT A GLANCE:

- The door leaf consists at 70% of crystal clear acrylic glass
- Opening speed up to 3.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 200,000 operating cycles p.a.
- Also available in low-header design
- Standard sizes of up to w=8,000 mm, h=7,800 mm



EFA-STR®
AT A GLANCE:

- Opening speed up to 4.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes up to w=7,000 mm, h=6,000 mm

The fastest vertically opening door. EFA-STR®

The high-speed turbo roll-up door EFA-STR® opens at an incredible speed of up to 4 m/s thanks to its spiral technology, making it our fastest vertically opening door. With the EFA-STR®, your logistic processes become faster and more efficient. The combination of a spiral door leaf support and flexible curtain ensures an optimal traffic flow.

The pioneer in spiral technology.
EFA-SST® Classic

Copied a thousand times, yet still unequalled. The tried and tested fundamental principle of EFAFLEX high-speed spiral doors remains unbeatable! The door leaf is not rolled up on a shaft, but is guided into the EFAFLEX spiral instead, saving space and operating virtually wear free.

EFA-SST® CLASSIC AT A GLANCE:

- Aluminium laths double-walled
- Opening speed up to 2.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes of up to w=8,000 mm, h=7,000 mm

EFA-SRT® PREMIUM AT A GLANCE:

- Clean room version available
- Hygiene version available
- Heavy-duty inside door
- With optional crash protection
- Opening speed up to 2.0 m/s
- Closing speed up to 0.75 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=5,000 mm, h=5,500 mm

The reliable all-rounder. EFA-SRT® Premium

The heavy duty roll-up door EFA-SRT® is a real all-rounder! It can be used as an inside door or as an additional hall closure. The high-speed roll-up door EFA-SRT® Premium is a high-quality solution especially for areas that are frequently used by forklifts. EFAFLEX roll-up doors are available in galvanised steel or stainless steel. For reliable, long-lasting operation of the roll-up doors, all components are streamlined and are characterised by high ease of maintenance.

The slim all-rounder.
EFA-SRT® EasyFit

The EFA-SRT® EasyFit offers an outstanding price-performance ratio and a very easy and quick installation. Thanks to its space-saving and slim design, even two door systems can be installed flush next to each other. The EasyFit can withstand even the highest loads, as up to 150,000 load changes per year are possible and it can be opened at up to 1.5 meters per second. At the same time, the door light grid also ensures that the highest safety standards are guaranteed.

EFA-SRT® EASYFIT AT A GLANCE:

- Very quick assembly
- Space-saving and slim design
- Top price/performance ratio
- Increased security thanks to door light grid
- Opening up to 1.5 m/s
- Closing up to 1.0 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to W=4,000 mm, H=4,000 mm

EFA-SRT® MS PERFORMANCE AT A GLANCE:

- Functional safety performance level »d«
- Up to 1,000,000 cycles per year
- Transparent, easy-to-open door frames
- Self-assembly possible
- Rotatable drive in up to eight positions
- Maximum speed up to 2.0 m/s
- Door curtain made from flexible PVC
- Life cycle 12 years
- Standard sizes of up to w=6,200 mm, h=5,500 mm

The powerful machine protection door. EFA-SRT® MS Performance

The EFA-SRT® MS Performance can be flexibly adapted to the individual needs of custom requirements. Attachment components and fence connections can be mounted on the newly developed frames made of extruded aluminum profiles. In total, it is possible to optionally integrate up to four limit switches into the frames. This very low-maintenance door features, among other things, a foldable cover and detachable cable covers, which speeds up and facilitates servicing. Additionally, the transparent frame covers make it possible to install LED strips for a traffic light function.

The compact door for machine safety.
EFA-SRT® MS

Due to its space-saving and compact design, the EFA-SRT® MS high-speed roll-up door satisfies all requirements for optimum integration into the required safety guard. The door leaf is fully transparent and equipped with warning strips as a standard. Coloured, highly tear-resistant and transversely stable curtains as well as welding protection curtains are also readily available. All curtain versions are, of course, free of substances which are detrimental to paint adhesion.

EFA-SRT® MS AT A GLANCE:

- Functional safety performance level »d«
- Maximum speed up to 1.8 m/s
- Door curtain made from transparent flexible PVC
- Special curtains are available on request
- Up to 250,000 cycles p.a.
- Maximum of 7 cycles per minute
- Life cycle 12 years
- Standard sizes of up to w=5,000 mm, h=3,500 mm

EFA-SST® MS AT A GLANCE:

- Functional safety performance level »d«
- Opening speed up to 2.7 m/s
- Compact extruded aluminium laths
- Up to 250,000 cycles p.a.
- Maximum of 7 cycles per minute
- Life cycle of 12 years
- Standard sizes of up to w=3,000 mm, h=3,000 mm

Machine protection door for the industry. EFA-SST® MS

The EFA-SST® MS high-speed spiral door has been specially developed for industrial applications, as stand-alone separating safety guard that fulfils all requirements for a safe and modern machine protection door. We are the only manufacturer of industrial doors to also implement our spiral technology and the flexible hinge chain for optimum performance in our machine protection doors.

The high-speed roll-up door for logistics.
EFA-SRT® MTL

The EFA-SRT® MTL is designed for all applications within intensive logistics processes and is particularly suitable for commercial and industrial use in enclosed areas that are not exposed to wind or other weather conditions. With a multitude of application, equipment and combination options, the high-speed roll-up door (SRT) spans a wide range of conceivable applications in the eponymous spectrum of "Material – Transport – Logistics" (MTL).

EFA-SRT® MTL AT A GLANCE:

- Power-driven high-speed roll-up door for industrial and commercial use in the materials handling sector
- Particularly suitable for confined space applicatons
- Opening speed up to 1.5 m/s
- Closing speed up to 1.0 m/s
- Up to 250,000 cycles p.a.
- Sizes up to approx. w=3,000 mm, h=3,000 mm

EFA-SRT® MHT COMPACT AT A GLANCE:

- Door system for industrial and commercial purposes in materials handling technology
- Control system completely integrated in construction
- Self-supporting frames due to floor fixation
- 3 cycles per minute
- Opening speed up to 1.5 m/s
- Up to 500,000 load changes p.a.
- Standard sizes up to w=1,600 mm, h=1,600 mm

The customised plant solution. EFA-SRT® MHT Compact

Capable of up to 500,000 load changes per year, the innovative EFA-SRT® MHT Compact performs the highest number of openings and closings on the market. The door also impresses with its compact design with control integrated into the frames and a self-supporting construction. This allows it to be flexibly integrated and customised into complex systems, such as baggage handling at airports.

The door for escape and rescue routes. EFA-SRT® FR

The economical EFA-SRT® FR interior door has been designed specially for escape and rescue routes in heavily frequented industrial or commercial areas. The clever design is largely low-maintenance, robust as well as space-saving and smoothly masters extreme challenges in daily operation through maximum reliability.

EFA-SRT® FR AT A GLANCE:

- Light barrier in combination with safety edge as a standard
- High door leaf tension
- Transparent PVC curtain with warning strips in various colours
- Opens in up to 2.6 m/s
- Closes in up to 0.75 m/s
- Up to 150,000 load cycles per year
- Standard sizes up to W=4,000 mm, H=5,000 mm

Technical details
High-speed spiral doors

		Premium					ECO
	Size	L	S	ÜS	XL	XXL	L
Application	Interior door	●	●	●	●	●	●
	Lock-up doors	●	●	●	●	●	●
Wind load max.*	According to DIN EN 12424 class	2 – 4	2 – 4	2 – 4	0 – 2	2 – 4	2 – 4
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	erfüllt	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	3	3	3	3	1	3
Air permeability*	According to DIN EN 13241 class	3	3	3	3	3	3
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	24	25	26	26	26	24
U value maximum*	in W/m^2K according to DIN EN 13241	1.52	0.91	0.66	0.66	0.54	1.52
Door size (in mm)	Width W max.	4,500	6,000	8,000	10,000	10,000	4,500
	Height H max.	5,000	6,000	8,000	6,600	12,000	5,000
Maximum door leaf speed*	in m/s	2.5	1.5	1.2	1.0	0.5	1.0
Guide of door leaf	Round Spiral	●	●	●	●	●	●
	Oval Spiral	●	●	–	–	–	●
	Low-header	–	–	–	–	–	●
Steel design	Galvanized sheet steel frame	●	●	●	●	●	●
	Stainless steel	○	○	–	–	–	○
	Powder coated in RAL colours	○	○	○	○	○	○
Door leaf	EFA-THERM® laths insulated/painted	●	●	●	●	●	●
	EFA-CLEAR® Vision laths double-walled, thermally separated	○	○	○	○	○	○
	EFA-CLEAR® Vision laths single-walled	○	○	–	–	–	○
	EFA-VENT® Ventilation laths	○	○	–	–	–	○
	EFA-ALUX® Aluminium laths	–	–	–	–	–	–
	Colour according to RAL (without vison panel)	○	○	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		250,000	250,000	250,000	150,000	100,000	200,000
Drive	Electric motor	●	●	●	●	●	●
Control	EFA-TRONIC®	●	●	–	–	○	●
	EFA-TRONIC® Light	–	–	–	–	–	–
	EFA-TRONIC® Professional	○	○	●	●	●	○
	Main switch and foil keypad	●	●	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●	–	●
	Electricity connection 400 V/50 Hz	○	○	○	○	●	○
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		●	●	●	●	●	○
Emergency operation	Automatic after manual activation	●	●	●	●	●	●
Safety Devices	EFA-TLG® door light grid in door closing line	●	●	●	●	●	○
	Contact edge	○	○	–	–	–	●
	Light barrier	○	○	–	–	–	●
	Approach area monitoring	○	○	○	○	○	○
	Light grid, external	○	○	○	○	○	○
Safety system including activator	EFA-SCAN® frame/bollard	○/○	○/○	○/○	○/○	○/○	○/○
	EFA-3D-SCAN	○	○	○	○	○	○

● Standard, ○ upon request, – Not available, npd = No Performance Determined
*Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

S Series

	EFA-SST®									
	Basic	Essential	Classic					PS		
S	L	L	L	S	ÜS	L-N	S-N	PS-L	PS-N	PS-S
●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●
2 – 4	2 – 4	2 – 4	2 – 4	4	2 – 4	2 – 4	4	4	4	2
fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
3	3	2	0	0	0	npd	npd	2	–	2
3	3	0	2	2	2	npd	npd	1	–	1
25	24	20	23	25	25	23	25	23	23	23
0.91	1.52	1.67	5.8	5.6	5.6	5.8	5.7	6.5	6.6	6.5
6,000	4,500	4,500	4,000	6,000	8,000	4,000	6,000	4,000	4,000	6,100
6,000	5,000	5,000	5,000	7,000	7,000	4,000	5,000	4,000	4,000	4,000
0.9	0.5	0.5	2.0	2.0	1.5	1.5	1.5	2.0	1.5	1.5
●	●	●	●	●	●	–	–	●	–	●
●	●	–	●	●	●	–	–	–	–	–
●	–	–	–	–	–	●	●	–	●	–
●	●	●	●	●	●	●	●	●	●	●
○	○	–	○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	○	○
●	●	●	–	–	–	–	–	–	–	–
○	○	○	–	–	–	–	–	–	–	–
○	○	○	○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	○	○
–	–	–	●	●	●	○	○	●	○	●
○	○	○	○	○	○	○	○	○	–	○
B2	B2	B2	B2	B2	B2	B2	B2	B2	B2	B2
Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring
200,000	100,000	100,000	250,000	250,000	250,000	150,000	150,000	200,000	200,000	200,000
●	●	●	●	●	●	●	●	●	●	●
●	○	○	●	●	–	●	●	●	●	●
–	●	●	–	–	–	–	–	–	–	–
○	○	○	○	○	●	○	○	○	○	○
●	●	○	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●
○	–	–	○	○	○	○	○	○	○	○
16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
○	○	○	○	○	○	○	○	○	○	○
●	●	●	●	●	●	●	●	●	●	●
*	–	–	○	*	*	○	*	○	○	○
*	●	●	●	*	*	●	*	●	●	●
*	●	●	●	*	*	●	*	●	●	●
○	○	○	○	○	○	○	○	○	○	○
○	○	–	○	○	○	○	○	○	○	○
○/○	–	–	–/○	–/○	–/○	○	○	–/○	○	○/○
○	○	○	○	○	○	○	○	○	○	○

Technical details
High-speed spiral doors

		S Series			
		EFA-STT®			
	Size	L	S	ÜS	L-N
Application	Interior door	●	●	●	●
	Lock-up doors	●	●	●	●
Wind load max.*	According to DIN EN 12424 class	3 – 4	2 – 4	2 – 4	3 – 4
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	0	0	0	0
Air permeability*	According to DIN EN 13241 class	2	2	2	0
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	20	20	20	20
U value maximum*	in W/m²K according to DIN EN 13241	6.5	6.37	6.28	6.5
Door size (in mm)	Width W max.	4,000	6,000	8,000	4,000
	Height H max.	5,000	6,000	7,800	5,000
Maximum door leaf speed*	in m/s	3.0	2.8	2.0	1.8
Guide of door leaf	Round Spiral	●	●	●	–
	Low-header	–	–	–	●
Steel design	Galvanized sheet steel frame	●	●	●	●
	Stainless steel	○	○	–	○
	Powder coated in RAL colours	○	○	○	○
Door leaf	EFA-CLEAR® Vision laths single-walled	●	●	●	●
	EFA-VENT® Ventilation laths	○	○	○	○
	EFA-ALUX® Aluminium laths	–	–	–	○
	Vision panel single-walled / double-walled	●/–	●/–	●/–	●/–
	Non transparent infill single-walled / doublewalled	○/–	○/–	○/–	○/–
	Colour according to RAL (without vison panel)	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		200,000	200,000	200,000	120,000
Drive	Electric motor	●	●	●	●
Control	EFA-TRONIC®	●	●	–	●
	EFA-TRONIC® Professional	○	○	●	○
	Main switch and foil keypad	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		○	○	○	○
Emergency operation	Automatic after manual activation	●	●	●	●
Safety Devices	EFA-TLG® door light grid in door closing line	○	*	*	○
	Contact edge	●	*	*	●
	Light barrier	●	*	*	●
	Approach area monitoring	○	○	○	○
	Light grid, external	○	○	○	○
Safety system including activator	EFA-SCAN® frame/bollard	○/○	○/○	○/○	○/○
	EFA-3D-SCAN	○	○	○	○

● Standard, ○ upon request, – Not available,
*Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

S Series

EFA-STR®

	Size	L	S	S-N	L-N
Application	Interior door	●	●	●	●
	Lock-up doors	○	○	○	○
Wind load max.*	According to DIN EN 12424 class	2 – 3	2 – 3	2 – 3	2 – 3
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	0	0	npd	npd
Air permeability*	According to DIN EN 13241 class	1	1	npd	npd
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	12	12	12	12
U value maximum*	in W/m²K according to DIN EN 13241	6.1	5.95	6.0	6.1
Door size (in mm)	Width W max.	4,000	7,000	7,000	4,000
	Height H max.	5,000	6,000	5,000	5,000
Maximum door leaf speed*	in m/s	4.0	3.2	3.2	3.2
Guide of door leaf	Round Spiral	●	●	–	–
	Low-header	–	–	●	●
Steel design	Galvanized sheet steel frame	●	●	●	●
	Stainless steel	○	○	○	○
	Powder coated in RAL colours	○	○	○	○
Door leaf	flexible fabric in different colours with/ without vison panel	○/●	○/●	○/●	○/●
Fire class	Building Material class DIN 4102	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		200,000	200,000	120,000	120,000
Drive	Electric motor	●	●	●	●
Control	EFA-TRONIC®	●	●	●	●
	EFA-TRONIC® Light	–	–	–	–
	EFA-TRONIC® Professional	○	○	○	○
	Main switch and foil keypad	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●
	Electricity connection 400 V/50 Hz	○	○	○	○
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Emergency operation	Automatic after manual activation	●	●	●	●
Safety Devices	EFA-TLG® door light grid in door closing line	○	○ (*)	○ (*)	○
	Contact edge	●	●	●	●
	Light barrier	●	●	●	●
	Approach area monitoring	○	○	○	○
	Light grid, external	○	○	○	○
Safety system including activator	EFA-SCAN® frame/bollard	○/○	○/○	○/○	○/○
	EFA-3D-SCAN	○	○	○	○

● Standard, ○ upon request, – Not available, , npd = No Performance Determined, ○ (*) Standard for W > 5,000 mm,
* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details
High-speed roll-up doors

		Premium	ECO	
	Size	L	L	S
Application	Interior door	●	●	●
Wind load max.*	According to DIN EN 12424 class	0 – 3	–	0 – 2
	resp. in km/h	–	18	18
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	npd	npd	0
Air permeability*	According to DIN EN 13241 class	npd	npd	1
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	12	11	11
Door size (in mm)	Width W max.	5,000	4,000	6,000
	Height H max.	5,500	4,000	7,000
Maximum door leaf speed*	in m/s	2.6	2.0	2.0
Average speed, approx.*	Opening in m/s	2.0	1.5	1.5
	Closing in m/s	0.75	0.75	0.6
	Closing by door light grid EFA-TLG® in m/s	1.0	1.0	1.0
Steel design	Galvanized sheet steel frame	●	●	●
	Stainless steel	○	○	○
	Powder coated in RAL colours	○	○	○
Door leaf	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	●	–
	flexible fabric in different colours with / without vison pane	○/○	○/○	○/●
Fire class	Building Material class DIN 4102	B2	B2	B2
Weight balancing by		Spring	Weight	Weight
Designed for approx ... operating cycles	per year	150,000	150,000	150,000
Collision protection	EFA-EAS®	○	○	–
Drive	Electric motor	●	●	●
Control	EFA-TRONIC®	●	●	●
	EFA-TRONIC® Light	–	○	–
	EFA-TRONIC® Professional	○	○	○
	Main switch and foil keypad	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●
	Electricity connection 400 V/50 Hz	○	○	○
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)
Emergency operation	Automatic after manual activation	●	●	●
	Manual activation	–	–	–
Safety Devices	EFA-TLG® door light grid in door closing line	○	○	○
	Contact edge	●	●	●
	Light barrier	●	●	●
	Approach area monitoring	○	○	○
	Light grid, external	○	○	○
Safety system including activator	EFA-SCAN® frame/bollard	–/○	–/○	–/○
	EFA-3D-SCAN	○	○	○

● Standard, ○ upon request, – Not available, npd = No Performance Determined,
* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

R Series

	EFA-SRT®			
Value L	ST L	EC L	FR	EasyFit
●	●	●	●	●
0 – 1	–	–	0 – 3	npd
80	18	18	–	41
fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
npd	npd	npd	0	npd
npd	npd	npd	0	npd
11	12	12	12	11
3,000	4,000	4,000	4,000	4,000
3,500	4,000	4,000	5,000	4,000
1.7	2.0	2.0	2.6	1.5
1.3	1.5	1.5	1.6	1.5
0.5	0.75	0.75	0.75	–
0.8	–	–	1.0	1.0
●	●	–	●	●
○	○	●	○	○
○	○	–	○	○
○	○	○	●	○
○/●	○/●	○/●	○/○	○/●
B2	B2	B2	B2	B2
Spring	Spring	Weight	Spring	–
150,000	150,000	150,000	150,000	150,000
–	●	–	–	–
●	●	●	●	●
○	○	–	–	–
●	●	–	–	○
○	○	●	●	●
●	●	●	●	●
●	●	●	●	
○	○	○	○	–
16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
●	●	●	●	–
–	–	–	–	●
○	–	–	○	●
●	–	●	●	–
● prel. L	●	●	●	–
○	○	○	○	○
○	○	–	○	○
–/–	–/–	–/–	–/○	–/○
○	○	–	○	○

Technical details
High-speed doors machine protection

		MS Series							
		EFA-SRT® MS							EFA-SST® MS
		Performance				A	A	USD	
	Size	L	S	L	S	L	S		
Application	According to DIN EN 12424 class	●	●	●	●	●	●	●	●
Wind load max.*	According to DIN EN 13241 class	0	0	0	0	0	0	–	4
Operating forces/ safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
Air permeability*	in dB according to DIN EN 717-1	0	0	0	0	0	0	–	0
Direct airborne sound insulation R_W*	in dB nach DIN EN 717-1	12	12	12	12	12	12	12	23
Door size (in mm)	Width W max.	3,500	6,200	3,000	5,000	3,000	6,000	6,000	3,000
	Height H max.	3,500	5,500	3,000	3,500	3,000	3,500	4,500	3,000
Maximum door leaf speed*	in m/s	2.0	2.0	1.8	1.8	1.8	1.8	1.8	2.7
Guide of door leaf	Round Spiral	–	–	–	–	–	–	–	●
Design	Galvanized sheet steel frame	○	○	●	●	●	●	●	●
	Powder coated in RAL colours	○	○	○	○	○	○	○	○
	Door frames aluminium anodised	●	●	–	–	–	–	–	–
Door leaf	EFA-CLEAR® Vision laths single-walled	–	–	–	–	–	–	–	○
	EFA-VENT® Ventilation laths	–	–	–	–	–	–	–	○
	EFA-ALUX® Aluminium laths	–	–	–	–	–	–	–	●
	Colour according to RAL (without vison panel)	–	–	–	–	–	–	–	○
	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	●	●	●	●	●	●	–
	flexible fabric in different colours with / without vison panel	○/○	○/○	○/○	○/○	○/○	○/○	○/○	–
Fire class	Building Material class DIN 4102	B2/B1 ○	B2/B1 ○	B2/B1 ○	B2/B1 ○	B2/B1 ○	B2/B1 ○	B2/B1 ○	B2
	Building Material class SE DIN EN ISO 340	○	○	○	○	○	○	○	–
Weight balancing by		–	–	–	–	–	–	Weight	Spring
Designed for approx ... operating cycles	per year	1,000,000	1,000,000	250,000	250,000	250,000	250,000	250,000	250,000
Drive	Electric motor	●	●	●	●	●	●	●	●
Control	EFA-TRONIC® Professional MS	●	●	●	●	●	●	●	●
	EFA-TRONIC®	○	○	○	○	○	○	○	○
	EFA-ProfiNetSafe®	○	○	○	○	○	○	○	○
Lead	Electricity connection 230 V/50 Hz	○	○	○	○	○	○	○	○
	Electricity connection 400 V/50 Hz	●	●	●	●	●	●	●	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Emergency operation	Automatic after manual activation	–	–	–	–	–	–	–	○
	Manual activation	●	●	●	●	●	●	–	–
Safety Devices	EFA-TLG® door light grid in door closing line	●	●	–	–	–	–	–	–
	Contact edge	○	○	●	●	●	●	●	●
	Light barrier	○	○	●	●	●	●	–	●
	Light grid, external	○ HSO	○ HSO	○ HSO	○ HSO	○ HSO	○ HSO	○	○ HSO

● Standard, ○ upon request, – Not available, HSO = Head Safe Option,
* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details
High-speed doors intralogistics

		MTL Series	
		EFA-SRT® MTL	EFA-SRT® MHT Compact
Application	Interior door	●	●
Wind load max.*	According to DIN EN 12424 class	0	–
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	–
Air permeability*	According to DIN EN 13241 class	0	–
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	12	12
Door size (in mm)	Width W max.	3,000	1,600
	Height H max.	3,000	1,600
Guide of door leaf	Round Spiral	–	–
Steel design	Galvanized sheet steel frame	●	●
	Powder coated in RAL colours	○	○
Door leaf	EFA-CLEAR® Vision laths single-walled	–	–
	EFA-VENT® Ventilation laths	–	–
	EFA-ALUX® Aluminium laths	–	–
	Colour according to RAL (without vison panel)	–	–
	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	–
	flexible fabric in different colours with/ without vison panel	○/○	–/●
Fire class	Building Material class DIN 4102	B2	B2
Weight balancing by		–	–
Designed for approx ... operating cycles per year		250,000	500,000
Drive	Electric motor	●	●
Control	EFA-TRONIC®	○	–
	EFA-TRONIC® Light	●	●
	EFA-TRONIC® Professional	–	–
	Main switch and foil keypad	–/●	–
Lead	Electricity connection 230 V/50 Hz	●	●
	Electricity connection 400 V/50 Hz	○	–
	Circuit breaker	16 A (K)	16 A (K)
Emergency operation	Automatic after manual activation	–	–
	Manual activation	○(*)	–
Safety Devices	EFA-TLG® door light grid in door closing line	○	–
	Contact edge	●	–
	Light barrier	●	–
	Approach area monitoring	○	–
	Light grid, external	○	○
Safety system including activator	EFA-SCAN® frame/bollard	–/○	–/○
	EFA-3D-SCAN	○	○

● Standard, ○ upon request, – Not available, ○(*) Depending on the type of drive,
* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

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