

Materialprüfungsamt Nordrhein-Westfalen

Prüfen • Überwachen • Zertifizieren

Certificate of constancy of performance

0432-CPR-00099-02

Version 04

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this certificate applies to the construction product

ECO Panic exit devices

Panic exit devices operated by a horizontal bar for single and double leaf doors in escape routes as detailed and classified in annex 2 and with the intended use according to annex 4,

placed on the market under the name or trade mark of

ECO Schulte GmbH & Co. KG

Iserlohner Landstraße 89
58706 Menden
Germany

and produced in the manufacturing plant(s)

see annex 1

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in annex ZA of the standard(s)

EN 1125:2008

under **system 1** for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 19.06.2015 and will remain valid until 05.06.2025 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Dortmund, 28.03.2022



By order

Dipl.-Ing. T. Friedrich

Head of Certification Body Department 22

This Certificate consists of 1 page and 4 annexes.

This Certificate replaces the Certificate no. 0432-CPR-00099-02 dated 04.01.2021, Version 03.



The original of this document was issued in German language.

In case of doubt only the German version is valid.

ECO Panic exit devices**Manufacturing plants**

Product	Manufacturer & Manufacturing plants
Locks	<p>ECO Schulte GmbH & Co. KG Iserlohner Landstraße 117 D-58706 Menden DO 20.1</p> <p>-----</p> <p>ECO Schulte Doorsystem Zhuhai Co., Ltd. No. 31, Zhuhai Free trade Zone Zhuhai, Guangdong P.R. China DO 25.21</p>
Bars	<p>ECO Schulte GmbH & Co. KG Iserlohner Landstraße 117 D-58706 Menden DO 30.03, , DO 20.1</p> <p>-----</p> <p>ESB Schulte Baubeschläge GmbH Industriestraße 2 D-14943 Luckenwalde DO 2.17</p>

ECO Panic exit device series GBS 8x

No.	item no.	VS-Type	Function	back-set	distance	forend width	accessories / comment	classification	cmb	bar	DO																				
1	GBS 81 latch	B		55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	<table border="1"> <tr> <td>3</td><td>7</td><td>7</td><td>B</td><td>1</td><td>3</td><td>2</td><td>1</td><td>A</td><td>B</td> </tr> <tr> <td>3</td><td>7</td><td>7</td><td>B</td><td>1</td><td>3</td><td>2</td><td>2</td><td>B</td><td>B</td> </tr> </table>	3	7	7	B	1	3	2	1	A	B	3	7	7	B	1	3	2	2	B	B		S1, S2 S3, S4	20.1, 25.21
3	7	7	B	1	3	2	1	A	B																						
3	7	7	B	1	3	2	2	B	B																						

For position 1:

Max. door leaf weight: **400 kg**
 Max. door leaf width: **3500 mm**
 Max door leaf height: **1500 mm**

ECO Panic exit device series GBS 9x

No.	item no.	VS-Type	Function	back-set	distance	forend width	accessories / comment	classification	cmb	bar	DO
1	GBS 90A ^{b)}	B	I, III d ^{c)}	55-65 mm	72mm PZ 74mm RZ	≥ 20 mm	strike plate type R and type C self-locking panic lock strike	3 7 6 B 1 3 2 1 A B		S1, S2	20.1
								3 7 6 B 1 3 2 2 B B			
2	GBS 91A ^{b)}	B	I, III d ^{c)}	55-65 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 6 B 1 3 2 1 A B		S1, S2	20.1
								3 7 6 B 1 3 2 2 B B			
3	GBS 92 x ^{a)}	B	I, III, IV, V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A B		S1, S2	20.1, 25.21
								3 7 7 B 1 3 2 2 B B			
4	GBS 93 x ^{a)}	A	I, III, IV, V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 2 1 A A	5	S1, S2	20.1
								3 7 7 B 1 3 2 2 B A			
5	GBS 94 x	C	-	65-125 mm		≥ 20 mm	diverse shoot bolt locks, diverse shoot bolt lock safed, with or without rod, switch lock, Latchlock, Ground locking recess, ground sleeve, stone jack, closing plate, Rod guide plate E-opener GEZE FT 505 GEZE FT 305/306, E-opener Openers & Closers „Series No. 8“	3 7 7 * B 1 3 2 1 A C	4	S1, S2	20.1
								3 7 7 * B 1 3 2 2 B C			

c) – Special Functions GBS 90A and GBS 91A

- 02 Microswitch for monitoring dead bolt or switching function
- 05 Lever handle on one side blocked, fail safe, B (Hinge side)
- 06 Lever handle on one side blocked, fail secure, B (Hinge side)
- 08 24-Volt Model
- 10 Microswitch for follower or respectively handle monitoring

For position 1 and 2:

Max. door leaf weight: 200 kg

For position 3 – 5:

Max. door leaf weight: 300 kg
 Max. door leaf width: 3500 mm
 Max door leaf height: 1500 mm

ECO Panic exit device series ECO/GBS 1xx

No.	item no.	VS-Type	Function	back-set	distance	forend width	accessories / comment	classification	cmb	bar	DO
1	ECO/GBS 109	B		55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A B		S1, S2	20.1
								3 7 7 B 1 3 2 2 B B			
2	ECO/GBS 111 ^{a)}	B	I	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A B		S1, S2	20.1, 25.21
								3 7 7 B 1 3 2 2 B B			
3	ECO/GBS 112 ^{a)}	B	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A B		S1, S2	20.1, 25.21
								3 7 7 B 1 3 2 2 B B			
4	ECO/GBS 113 ^{a)}	B	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A B		S1, S2	20.1, 25.21
								3 7 7 B 1 3 2 2 B B			
5	ECO/GBS 114 ^{a)}	B	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A B		S1, S2	20.1, 25.21
								3 7 7 B 1 3 2 2 B B			
6	ECO/GBS 121 ^{a)}	A	I	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A A	18	S1, S2	20.1
								3 7 7 B 1 3 2 2 B A			
7	ECO/GBS 122 ^{a)}	A	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A A	18	S1, S2	20.1
								3 7 7 B 1 3 2 2 B A			
8	ECO/GBS 123 ^{a)}	A	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A A	18	S1, S2	20.1
								3 7 7 B 1 3 2 2 B A			
9	ECO/GBS 124 ^{a)}	A	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A A	18	S1, S2	20.1
								3 7 7 B 1 3 2 2 B A			

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

No.	item no.	VS-Type	Function	back-set	distance	forend width	accessories / comment	classification	cm b	bar	DO
10	ECO/GBS 131 ^{a)}	B	I	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B		S3, S4	
11	ECO/GBS 132 ^{a)}	B	III	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; top shoot bolt; latchlock, striking plate	3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B		S3, S4	
12	ECO/GBS 133 ^{a)}	B	IV	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B		S3, S4	
13	ECO/GBS 134 ^{a)}	B	V	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B		S3, S4	
14	ECO/GBS 141 ^{a)}	A	I	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 2 1 A A	18	S1, S2	
								3 7 7 B 1 3 2 2 B A		S3, S4	
15	ECO/GBS 142 ^{a)}	A	III	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	top shoot bolt; latchlock, striking plate	3 7 7 B 1 3 2 1 A A	18	S1, S2	
								3 7 7 B 1 3 2 2 B A		S3, S4	
16	ECO/GBS 143 ^{a)}	A	IV	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 2 1 A A	18	S1, S2	
								3 7 7 B 1 3 2 2 B A		S3, S4	
17	ECO/GBS 144 ^{a)}	A	V	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 2 1 A A	18	S1, S2	
								3 7 7 B 1 3 2 2 B A		S3, S4	
18	ECO/GBS 150 ECO/GBS 152	C	-	65-125 mm		≥ 20 mm	diverse shoot bolt locks, diverse shoot bolt lock safed, with or without rod, switch lock, Latchlock, Ground locking recess, ground sleeve, stone jack, striking plate, Rod guide plate E-opener GEZE FT 505 GEZE FT 305/306, E-opener Openers & Closers „Series No. 8“	3 7 7 * B 1 3 2 1 A C	6-9, 14-17	S1, S2	
								3 7 7 * B 1 3 2 2 B C		S3, S4	

20.1

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

No.	item no.	VS-Type	Function	back-set	distance	forend width	accessories / comment	classification	cmb	bar	DO
19	ECO/GBS 181 ^{a)}	B	I	60/100 mm		≥ 20 mm		3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B			
20	ECO/GBS 182 ^{a)}	B	III	60/100 mm		≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B			
21	ECO/GBS 183 ^{a)}	B	IV	60/100 mm		≥ 20 mm		3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B			
22	ECO/GBS 184 ^{a)}	B	V	60/100 mm		≥ 20 mm		3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B			
23	ECO/GBS 191 ^{a)}	B	I	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B			
24	ECO/GBS 192 ^{a)}	B	III	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	ECO/GBS 198 Addition latchlock	3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B			
25	ECO/GBS 193 ^{a)}	B	IV	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	ECO/GBS 199 Addition latchlock operated by handle	3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B			
26	ECO/GBS 194 ^{a)}	B	V	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 2 1 A B		S1, S2	
								3 7 7 B 1 3 2 2 B B			

20.1

Max. door leaf weight: **300 kg**
 Max. door leaf width: **4500 mm**
 Max door leaf height: **1500 mm**

Legend

VS-type A	Lock for single and double leaf doors.
VS-type B	Lock for outside opening single leaf doors.
VS-type C	Lock for inactive leaves in a double leaf door.

- *) With Type C locks – locks intended exclusively for the inactive leaf of double-leaf doors – only 20.000 test cycles were conducted as proof of Class 7 lasting functionality (2nd mark) in accordance with EN 1125.
- a) With lock cylinders (PZ/RZ) as standard or half cylinder locks, the escape door function of the lock is only guaranteed when the key is removed.
- b) All types of lock cylinders have no influence on the proper function of the escape door. Lock cylinders with a spring-assisted or stiff driver can influence the self-locking function of the locks. The manufacturer should check the compatibility.
- cmb: Shows each matching latch for the other door leaf. Only with latches for double-leaf doors.
- bar: Shows the pushbar/tpuchbar with which the latches can be fitted.
- Function I: One-piece spindle hub, constantly active escape door function.
It is always possible to use the handle on the inside to open the door. The door can only be opened from the outside using the key in the track cylinder core.
- Function III: Split spindle hub, constantly active escape door function from the inside.
It is always possible to use the handle on the inside to open the door. The handle on the outside is either permanently engaged or permanently disengaged using the key. The latch can only be operated from the outside by the key. Once the handle on the inside has been used to open the door, the door can also be opened from the outside until it is relocked manually.
- Function IV: Split spindle hub, constantly active escape door function from the inside.
It is always possible to use the handle on the inside to open the door. The handle on the outside is either permanently engaged or permanently disengaged using the key. The latch can only be operated from the outside by the key. Once the handle on the inside has been used to open the door, it cannot be opened by the handle on the outside either.
- Function V: Split spindle hub, constantly active escape door function from the inside.
It is always possible to use the handle on the inside to open the door. In the default position, the fitting on the outside is disengaged. It can only be engaged by turning the key to a certain position. Once the key has been removed, the outside fitting is disengaged once again.
- Remark: In agreement with the terms of the German building regulation legislation, a lock of VS-type B according to DIN EN 1125 (lock for single leaf doors) can be used also in the active leaf of a double leaf door, if:
- a) the inactive leaf catch is secured against maloperation, and
 - b) the passage width of the active leaf is sufficient as escape route width.

Bars

no.	item no.	type	code	distance	barlength	tube	leverarm	covercap
S1	ECO EPN 900 III, 45°	A = push bar	30.03	PZ 72 mm RZ 74 mm UG	≤ 1350 mm	stainless steel, steel	stainless steel, steel	stainless steel, plastic
S2	ECO EPN 900 IV, 45°	A = push bar	20.1	PZ 72 mm RZ 74 mm UG	≤ 1350 mm	stainless steel, steel	stainless steel, die-cast zinc	stainless steel, plastic, die-cast zinc
S3	EPN 2000 II	B = touch bar	2.17	PZ 72 mm, RZ 74 mm	≤ 1350 mm	stainless steel	stainless steel	stainless steel
S4	EPN 2000 III	B = touch bar	2.17	PZ 72 mm RZ 74 mm	≤ 1350 mm	stainless steel, aluminium	stainless steel, aluminium	stainless steel, die-cast zinc

ECO Panic exit devices

Alternative- & special – equipment

1. Outside door handles

Door handles according to DIN 18273 with valid certificate of conformity can be used as outside door handle.

For the locks with bar combination S1 – S4 the following electronic lever handles can be used:

- Special handles SALTO XS4, model Ei4xx... and Ei6xx... according to P 120003012, as well as special handles „series XS4 MINI“, model Ei150 and “series XS4 one“, model Ei7xx... according to P-120004926 of Fa. SALTO Systems S.L. The handles must wear coding DO 20.52.
- Mechatronical handles of the c-lever compact model series in accordance with general building authority test certificate No. P 120004990 of Fa. dormakaba Schweiz AG. The handles must wear coding DO 6.21.
- Mechatronical handles, models of the series „DOM ENIQ Guard“, „DOM ELS Guard“ and „DOM TapKey Guard“ according to general building authority approval No. Z-6.100-2554 as well as models of the series „DOM Guardian“ according to general building authority test certificate No. P-120003866.02-1 of the company DOM Sicherheitstechnik GmbH & Co. KG. The handles must wear coding DO 20.56.
- Mechatronical door handles "Smart Handle 3062...", "Smart Handle AX..." and "Smart Handle AX Plus..." in accordance with general building authority approval No. Z-6.100-2594 of Fa. Simons Voss Technologies GmbH. The handles must wear coding DO 20.57.
- Mechatronical handles "CES OMEGA FLEX ILS", "CES OMEGA FLEX SMARTSCHILD SIS" and "CES OMEGA ILS-I" in accordance with general building authority approval No. Z-6.100-2586 of Fa. C.Ed. Schulte GmbH Zylinderschlossfabrik. The handles must wear coding DO 5.6.

2. Escape route security

In principle, there are no objections to securing doors in escape routes with the GFS-door guard "Gfs-Tag-Alarm" with regard to the function of the locking devices. The safety device is not to be considered part of the panic exit devices according to EN 1125:2008. In case of doubt, the suitability must be proven separately.

Manufacturer: GfS Gesellschaft für Sicherheitstechnik mbH
Tempowerkring 15
21079 Hamburg

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

Intended use:

For use on single and double leaf door in escape routes

Essential characteristic	Requirement clauses EN 1125: 2008	Performance
Ability to release (for locked doors on escape routes)	4.2.1 Threshold according to table 1 Release function Design bar Bar projection Intended use for the door Door free movement Door mass and dimensions Access from outside Release forces Security requirement	$\leq 1S$: passed Type A (touch bar) or type B (push bar): passed $w \leq 100$ mm or 150 mm depending on the model Grade A, B or C: passed passed Grade 6: (door mass 200 kg): passed (Dimensions: 1320 mm width, 2520 mm high): passed Grade 7: (door mass 300 kg): passed (Dimensions: 1500 mm width, 3500 mm high): passed passed ($\leq 80N, \leq 220N$ under pressure): passed (Grade 1, 1000 N) passed
Durability of ability to release against aging and degradation (for locked doors on escape routes)	4.2.1 Threshold according to table 1 Corrosion resistancet Temperature range Re-engagement force Durability Abuse resistance –Horizontal bar Final examination	passed Grade 3 (96h, $\leq 120N$) passed (-10°C to +60°C, $\leq +50\%$) passed (≤ 50 N) passed (intended use for the door Grade A, B: 200.000 cycles): Grade 7: passed (intended use for the door Grade C: 20.000 cycles, Grade 7) passed (500N, 1000N:) passed (Release forces ($\leq 80N, \leq 220N$ under pressure): passed (Door face gap $R \geq 25mm$): passed Door free movement) passed
Self-closing ability C (for fire/smoke doors on escape routes)	4.2.1 Threshold according to table 1 Re-engagement force	($\leq 50N$) passed
Durability of Self closing ability C against aging and degradation (for fire/smoke doors on escape routes)	4.2.1 Threshold according to table 1 Durability Re-engagement force	(intended use for the door Grade A, B: 200.000 cycles, Grade 7): passed (intended use for the door Grade C: 20.000 cycles, Grade 7) passed (≤ 50 N) passed
Resistance to fire E (integrity) and I(insulation) (for use on fire doors on escape routes)	4.2.1 Threshold according to table 1, annex B	Grade B: passed
Control of dangerous substances	4.1.29 Note2 in ZA.1	According to the manufacturer the materials in the door closer do not contain or release any dangerous substances in excess of maximum levels specified in existing European material standards or any national regulations