Certificate of constancy of performance

0432-CPR-00099-01

Version 02

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 emergency exit devices

emergency exit devices operated by a lever handle for single and double leaf doors in escape routes as detailed and classified on annex 2 with the intended use according to annex 1,

placed on the market under the name or trade mark of

ECO Schulte GmbH & Co. KG
Iserlohner Landstraße 89
58706 Menden
Deutschland

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 179:2008

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 21.05.2014 and will remain valid until 21.05.2019 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 02.02.2017

Materialprüfungsamt MPA NRW 14 Nordrhein-Westfalen

Dr. Krasch
Head of Certification Body

This Certificate consists of 1 page and 3 annex(es).
This Certificate replaces the Certificate no. 0432-CPR-00099-01 dated 19.06.2015, Version 01.

DAkkS Deutsche Akkreditierungsstelle D-ZE-11142-01-01

The original of this document was issued in German language.
In case of doubt only the German version is valid.

ECO Emergency exit devices

Manufacturing plants

Product	Manufacturing plants
locks	ECO Schulte GmbH & Co. KG Iserlohner Landstraße 117 D-58706 Menden DO 20.1, DO 25.21
handles	ECO Schulte GmbH & Co. KG Iserlohner Landstraße 117 D-58706 Menden DO 20.1, DO 2.17, DO 25.21 --- Grundmann Beschlagtechnik GmbH Wilhelm-Grundmann-Straße 24 A-3170 Hainfeld Österreich DO 20.26 --- FSB Franz Schneider Brakel GmbH & Co. KG Nieheimer Straße 38 33034 Brakel DO 20.3 --- HOPPE AG Havelstraße 31 D-35620 Stadtallendorf DO 20.5, DO 20.7, DO 20.20 --- DORMA Beschlagtechnik GmbH Donnenberger Straße 2 42553 Velbert DO 20.4 --- HEWI Heinrich Wilke GmbH Hagenstraße 2 D- 34454 Bad Arolsen-Mengeringshausen DO 20.13, DO 20.14 --- Kaba GmbH Wiener Straße 41 - 43 A- 3130 Herzogenburg DO 20.31

handles	GLUTZ AG Segetzstrasse 13 CH-4502 Solothurn Schweiz --- Schlossfabrik Heusser AG Murgstrasse 11 CH - 4853 Murgenthal Schweiz ift --- CISA S.p.A Via G. Oberdan 42 48018 Faenza, Italien

striking plates	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstr. 20 D-72458 Albstadt DO 22.0 --- IST Systems GmbH Kohlmeisenweg 5 D-72458 Albstadt DO 22.1 --- dormakaba Deutschland GmbH DORMA Platz 1 D- 58256 Ennepetal DO 22.3 und DO 22.1

ECO Emergency exit devices series GBS 8x

No	Item No.	Vs-type	Function	Backset	Distance	Forend width	Accessories	Classification	cmb	Drk
1	GBS 81 latch	A/B/ D		55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates;diverse strike plates for electric strike	3 7 7 B 1 3 5 2 A z		D1 – D9

Max. door leaf weight: **400 kg**
Max. door leaf width: **3500 mm**
Max door leaf height: **1600 mm**

ECO Emergency exit devices series GBS 9x

No	Item No.	Vs-type	Func-tion	Backset	Distance	Forend width	Accessories/ comment	Classification	cmb	Drk
1	GBS 90A [b)]	B, D	I, IIId c)	55–65 mm	72mm PZ 74mm RZ	≥ 20 mm	strike plate type R and type C self-locking panic lock strike	3 7 7 B 1 3 5 2 A z		D1 – D10
2	GBS 91A [b)]	B, D	I, IIId c)	55–65 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A z		D1 – D10
3	GBS 92 x [a)]	B, D	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 5 2 A z		D1 – D9
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 5 2 A z	5	D1 – D9
5	GBS 94 x	C	-	65-100 mm		≥ 20 mm	floor socket, adjustable floor socket, stay bar, switching lock E-opener IST FT 505 IST FT 305/306	3 7 * 7 B 1 3 5 2 A C	4	D1 – D9

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

02 Microswitch for monitoring dead bolt or swiching function
05 Lever Handle blocking, onesided, electroless open, B* (swing side) oder G* (oposite swing side)
06 Lever Handle blocking, onesided, electroless blocked, B* (swing side) oder G* (oposite swing side)
08 24-Volt Model

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

ECO Emergency exit devices series ECO/GBS 1xx

no.	item no.	VS-Type	func-tion	back-set	distance	forend width	accessories / comment	classification	cmb	Drk
1	ECO/GBS 109	A/B/D		55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 5 2 A z		D1-D9
2	ECO/GBS 111 a)	B, D	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 5 2 A z		D1 - D9
3	ECO/GBS 112 a)	B	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A B		D1 - D9
4	ECO/GBS 113 a)	B	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A B		D1 - D9
5	ECO/GBS 114 a)	B	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A B		D1 - D9
6	ECO/GBS 115 a)	D	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A D		D1 - D9
7	ECO/GBS 116 a)	D	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A D		D1 - D9
8	ECO/GBS 117 a)	D	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A D		D1 - D9
9	ECO/GBS 121 a)	A	I	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A z	30	D1 - D9
10	ECO/GBS 122 a)	A	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A z	30	D1 - D9
11	ECO/GBS 123 a)	A	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A z	30	D1 - D9
12	ECO/GBS 124 a)	A	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A z	30	D1 - D9
13	ECO/GBS 125 a)	A	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A z	30	D1 - D9
14	ECO/GBS 126 a)	A	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A z	30	D1 - D9
15	ECO/GBS 127 a)	A	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A z	30	D1 - D9
16	ECO/GBS 131 a)	B, D	I	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; top shoot bolt; latchlock, striking plate	3 7 7 B 1 3 5 2 A z	30	D1 - D9
17	ECO/GBS 132 a)	B	III	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A B	30	D1 - D9
18	ECO/GBS 133 a)	B	IV	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A B	30	D1 - D9

no.	item no.	VS-Type	func-tion	backset	distance	forend width	accessories / comment	classification	cmb	Drk
19	ECO/GBS 134 a)	B	V	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; top shoot bolt; latchlock, striking plate	3 7 7 B 1 3 5 2 A B		D1 – D9
20	ECO/GBS 135 a)	D	III	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A D		D1 – D9
21	ECO/GBS 136 a)	D	IV	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A D		D1 – D9
22	ECO/GBS 137 a)	D	V	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A D		D1 – D9
23	ECO/GBS 141 a)	A	I	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; top shoot bolt; latchlock, striking plate	3 7 7 B 1 3 5 2 A A	30	D1 – D9
24	ECO/GBS 142 a)	A	III	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A A	30	D1 – D9
25	ECO/GBS 143 a)	A	IV	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A A	30	D1 – D9
26	ECO/GBS 144 a)	A	V	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A A	30	D1 – D9
27	ECO/GBS 145 a)	A	III	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A A	30	D1 – D9
28	ECO/GBS 146 a)	A	IV	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A A	30	D1 – D9
29	ECO/GBS 147 a)	A	V	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A A	30	D1 – D9
30	ECO/GBS 150 ECO/GBS 152	C	-	65-100 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 IST FT 505 IST FT 305/306	3 7 * 7 B 1 3 5 2 A C	9 – 15, 23 – 29	D1 – D9
31	ECO/GBS 181 a)	B, D	I	60, 100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 7 7 B 1 3 5 2 A z		D1 – D9
32	ECO/GBS 182 a)	B	III	60, 100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A B		D1 – D9
33	ECO/GBS 185 a)	D	III	60, 100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A D		D1 – D9
34	ECO/GBS 191 a)	B, D	I	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	ECO/GBS 198 Addition latchlock ECO/GBS 199 Addition latchlock operated by handle	3 7 7 B 1 3 5 2 A z		D1 – D9
35	ECO/GBS 192 a)	B	III	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A B		D1 – D9
36	ECO/GBS 193 a)	B	IV	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A B		D1 – D9

no.	item no.	VS-Type	func-tion	backset	distance	forend width	accessories / comment	classification	cmb	Drk
37	ECO/GBS 194 [a)]	B	V	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	ECO/GBS 198 Addition latchlock ECO/GBS 199 Addition latchlock operated by handle	3 7 7 B 1 3 5 2 A B		D1 – D9
38	ECO/GBS 195 [a)]	D	III	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A D		D1 – D9
39	ECO/GBS 196 [a)]	D	IV	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A D		D1 – D9
40	ECO/GBS 197 [a)]	D	V	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 7 7 B 1 3 5 2 A D		D1 – D9

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

Lever handle

Nr.	Hersteller	Kodierung
D1	ECO	DO 20.1.01 DO 2.17.01 DO 25.21.01
D2	Grundmann	DO 20.26.01
D3	FSB	DO 20.3.01
D4	HOPPE	DO 20.6.01 DO 20.5.01 DO 20.20.01
D5	DORMA	DO 20.4.01
D6	HEWI	DO 20.13.01 DO 20.14.01
D7	KABA	DO 20.31.01
D8	GLUTZ	--
D9	Schlossfabrik Heusser AG	ift
D10	CISA S.p.A	--

Legend

VS-Typ A	Lock for single and double leaf doors	**Classification z=A**
VS-Typ B	Lock for outside opening single leaf doors	**Classification z=B**
VS-Typ C	Lock for inactive leaves in a double leaf door	**Classification z=C**
VS-Typ D	Lock for inside opening single leaf doors	**Classification z=D**

*) 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 function ability (2nd mark) in accordance with EN 179.

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 lock cylinder designs have no influence on the perfect escape door function (as a special function if desired).

cmb: Shows each matching latch for the other door leaf. Only with latches for double-leaf doors.

drk: Shows the handles 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 IIId: 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 electrically or released for operation. The latch can always be operated by the key.

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 179 (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.

Intended use:

For use on single and double leaf door in escape routes

Essential characteristic	Requirement clauses EN 179: 2008	Performance
Ability to release *(for locked doors on escape routes)*	*4.2.1* *Treshold according to table 1* *Lever handle design* *Door mass and dimensions* *Release forces* *Security requirement*	 *passed* *Dimensions: 1500 mm width, 4500 mm high):* *(Grade 7: 300 kg): passed* *(≤ 70N) passed* *(Grade 5, 5000 N) passed*
Durability of ability to release against aging and degradation (for locked doors on escape routes)	*4.2.1* *Treshold according to table 1* *Corrosion resistancet* *Temperature range* *Re-engagement force* *Durability* *Abuse resistance –handle* *Final examination*	 *(handle Type A) Pass* *Grade 3 (96h, ≤ 100N) passed* *(-10°C to +60°C, ≤ 105N) passed* *(≤ 50 N) passed* *(intended use for the door Grade A, B,D: 200.000 cycles): Grade 7: passed* *(intended use for the door Grade C: 20.000 cycles, Grade 7) passed* *(500N, 1000N:) passed* *(Release forces (≤ 70N): passed* *Door free movement) passed*
Self-closing ability C *(for fire/smoke doors on escape routes)*	*4.2.1* *Treshold according to table 1* *Re-engagement force*	 *(≤ 50N) passed*
Durability of Self closing ability C against aging and degradation *(for fire/smoke doors on escape routes)*	*4.2.1* *Treshold according to table 1* *Durability* *Re-engagement force*	 *(intended use for the door Grade A, B, D: 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* *Treshold 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*