

Materialprüfungsamt Nordrhein-Westfalen

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Certificate of constancy of performance**0432-CPR-00099-01**

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 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 3,

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 10.05.2024 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 10.05.2019



By order

Dipl.-Ing. T. Friedrich

Head of Certification Body Department 22

This Certificate consists of 1 page and 3 annex(es).

This Certificate replaces the Certificate no. 0432-CPR-00099-01 dated 14.05.2018,
Version 03.



The original of this document was issued in German language.

In case of doubt only the German version is valid.

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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 Austria DO 20.26 ----- FSB Franz Schneider Brakel GmbH & Co. KG Nieheimer Straße 38 D-33034 Brakel DO 20.3 ----- HOPPE Holding AG Müstair Palü Daint CH-7537 Müstair Switzerland DO 20.7, DO 20.20 ----- OGRO Beschlagtechnik GmbH Donnenberger Straße 2 D-42553 Velbert DO 20.4 ----- HEWI Heinrich Wilke GmbH Hagenstraße 2 D-34454 Bad Arolsen-Mengershausen VE 30-26 ----- dormakaba Austria GmbH Wiener Straße 41 - 43 A-3130 Herzogenburg Austria DO 20.31

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handles	GLUTZ AG Segetzstrasse 13 CH-4502 Solothurn Switzerland

	Schlossfabrik Heusser AG Murgstrasse 11 CH-4853 Murgenthal Switzerland

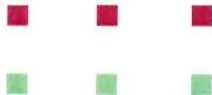
	CISA S.p.A Via G. Oberdan 42 IT-48018 Faenza Italy

	Randi A/S Mirabellevej 3 DK-8930 Randers Denmark DO 20.28

	Salto Systems S.L. Arkotz 9, Pol. Lanbarren ESP-20180 Oiartzun Spain DO 20.52

	MEGA GOSSAU AG Langfeldstrasse 6 CH-9201 Gossau Switzerland

	Süd-Metall Beschläge GmbH Sägewerkstrasse 5 D-83404 Ainring / Hammerau



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striking plates	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstr. 20 D-72458 Albstadt DO 22.0 GEZE GmbH Reinhold-Vöster-Str. 21-29 D-71229 Leonberg DO 22.1 dormakaba Deutschland GmbH DORMA Platz 1 D- 58256 Ennepetal DO 22.3
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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 – D13

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	Function	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	3 7 7 B 1 3 5 2 A z		D1 – D14
2	GBS 91A ^{b)}	B, D	I, IIId c)	55–65 mm	72mm PZ 74mm RZ	≥ 20 mm	self-locking panic lock strike	3 7 7 B 1 3 5 2 A z		D1 – D14
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 – D13
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 – D13
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 – D13

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* (opposite swing side)
- 06 Lever Handle blocking, onesided, electroless blocked, B* (swing side) oder G* (opposite swing side)
- 08 24-Volt Model

Max. door leaf weight:

400 kg

Max. door leaf width:

3500 mm

Max door leaf height:

1500 mm

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ECO Emergency exit devices series ECO/GBS 1xx

no.	item no.	VS-Type	function	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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12
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-D12

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no.	item no.	VS-Type	function	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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
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 – D13
34	ECO/GBS 191 ^{a)}	B, D	I	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	ECO/GBS 198 Addition latchlock	3 7 7 B 1 3 5 2 A z		D1 – D13
35	ECO/GBS 192 ^{a)}	B	III	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	ECO/GBS 199 Addition latchlock operated by handle	3 7 7 B 1 3 5 2 A B		D1 – D13
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 – D13

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no.	item no.	VS-Type	function	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	3	7	7	B	1	3	5	2	A	B		D1 – D13
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 – D13
39	ECO/GBS 196 ^{a)}	D	IV	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	ECO/GBS 199 Addition latchlock operated by handle	3	7	7	B	1	3	5	2	A	D		D1 – D13
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 – D13

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

Lever handle

no.	manufacturer	code
D1	ECO	DO 20.1 DO 2.17 DO 25.21
D2	Grundmann	DO 20.26
D3	FSB	DO 20.3
D4	HOPPE	DO 20.7 DO 20.20
D5	OGRO Beschlagtechnik	DO 20.4
D6	HEWI	VE 30-26
D7	dormakaba Austria	DO 20.31
D8	GLUTZ	--
D9	Schlossfabrik Heusser AG	ift
D10	Randi A/S	DO 20.28
D11	Salto Systems	DO 20.52
D12	MEGA GLOSSAU AG	--
D13	Süd-Metall	ift 2308008783-4-2
D14	CISA S.p.A	--

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Legend

VS-Type A	Lock for single and double leaf doors	Classification z=A
VS-Type B	Lock for outside opening single leaf doors	Classification z=B
VS-Type C	Lock for inactive leaves in a double leaf door	Classification z=C
VS-Type 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 IIIId: 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.

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Intended use:

For use on single and double leaf door in escape routes

Essential characteristic	Requirement clauses EN 179: 2008	Performance
<i>Ability to release</i> (for locked doors on escape routes)	4.2.1 Threshold 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
<i>Durability of ability to release against aging and degradation</i> (for locked doors on escape routes)	4.2.1 Threshold according to table 1 Corrosion resistance 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
<i>Self-closing ability C</i> (for fire/smoke doors on escape routes)	4.2.1 Threshold according to table 1 Re-engagement force	(≤ 50N) passed
<i>Durability of Self closing ability C against aging and degradation</i> (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, D: 200.000 cycles, Grade 7): passed (intended use for the door Grade C: 20.000 cycles, Grade 7) passed (≤ 50 N) passed
<i>Resistance to fire E (integrity) and I (insulation)</i> (for use on fire doors on escape routes)	4.2.1 Threshold according to table 1, annex B	Grade B: passed
<i>Control of dangerous substances</i>	4.1.29 Note 2 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