

Materialprüfungsamt Nordrhein-Westfalen

Prüfen • Überwachen • Zertifizieren

Certificate of constancy of performance

0432-CPR-00005-02.03

Version 01

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,

placed on the market under the name or trade mark of

ECO Schulte GmbH & Co. KG

Iserlohner Landstrasse 89
58706 Menden

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 22.04.2020 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

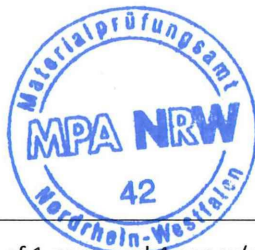
Dortmund, 22.04.2020

By order



Dipl.-Ing. T. Friedrich

Head of Certification Body Department 22



This Certificate consists of 1 page and 4 annex(es).

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



Deutsche
Akkreditierungsstelle
D-ZE-11142-01-01

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ECO Emergency exit devices

Manufacturing plants

Product	Manufacturing plants
Locks	DO 9.10
Handles	ECO Schulte GmbH & Co. KG Iserlohner Landstrasse 117 D-58706 Menden DO 20.1, DO 2.17, DO 25.21 -----
	WILKA Schließtechnik GmbH Mettmanner Str. 56-64 D-42549 Velbert -----
	FSB Franz Schneider Brakel GmbH Nieheimer Straße 38 D-33034 Brakel DO 20.3 -----
	HAFI Beschläge GmbH Weissinger Straße 16 D-89275 Elchingen DO 20.32 -----
	HEWI Heinrich Wilke GmbH Hagenstrasse 2 D-34454 Bad Arolsen-Mengershausen VE 30-26 -----
	HOPPE AG Werk N4 Scheibenberger Straße 33A D- 09474 Crottendorf DO 20.20 -----
	HOPPE AG Werk S3 Industriezone I-39023 Laas DO 20.7 -----
	Vieler Architectural Hardware GmbH Zur Helle 28 D- 58638 Iserlohn DO 20.12 -----
	OGRO Beschlagtechnik GmbH Donnenberger Straße 2 D-42553 Velbert DO 20.4

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Handles	GLUTZ AG Segetzstrasse 13 CH-4502 Solothurn Switzerland

	HERMAT Metallwaren GmbH Frohnbergstraße 23 D-92256 Hahnbach ift 230 8000244-1

	Erich Dieckmann GmbH Beschlagfabrik Grüner Talstraße 18 – 22 58644 Iserlohn DO 20.16

Wilhelm May GmbH Gießereistraße 3 42551 Velbert	

Süd-Metall Beschläge GmbH Sägewerkstr. 5 83404 Ainring	

SALTO Systems S.L. Pol. Lanbarren, C/Arkotz, 9 ESP – 20180 Oiartzun DO 20.52	

HUECK System GmbH & Co. KG Loher Straße 9 58511 Lüdenscheid	

Striking plates	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstr. 20 D-72458 Albstadt DO 22.0

	GEZE GmbH Kohlmeisenweg 5 D-72458 Albstadt DO 22.1

dormakaba Deutschland GmbH DORMA Platz 1 D-58256 Ennepetal DO 2.1	

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Emergency exit devices according to DIN EN 179 for single and double leaf doors

ECO Emergency exit devices

Locks

No	Item No.	Vs-type	Function	Backset	Distance	Forend width	Accessories	Classification	cmb	Drk
1	GBS 97 PAF B OV with 4686 4687	A	Function IV	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21, 30	1-15
2	GBS 96 PAF B OV with 4686 4687	B	Function IV	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B	-	1-15
3	GBS 97 PAF E OV with 4686 4687	A	Function I	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21, 30	1-15
4	GBS 96 PAF E OV with 4686 4687	B/D	Function I	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B/D	-	1-15
5	GBS 97 PAF D OV with 4686 4687	A	Function III	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21, 30	1-15
6	GBS 96 PAF D OV with 4686 4687	B	Function III	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B	-	1-15
7	GBS 97 PAF B	A	Function IV	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21, 30	1-15
8	GBS 96 PAF B	B	Function IV	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B	-	1-15
9	GBS 97 PAF E 2*	A	Function I	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21, 30	1-15
10	GBS 96 PAF E 2*	B/D	Function I	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B/D	-	1-15
11	GBS 97 PAF D	A	Function III	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21, 30	1-15
12	GBS 96 PAF D	B	Function III	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B	-	1-15

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No	Item No..	Vs-type	Function	Backset	Distance	Forend width	Accessories	Classification	cmb	Drk
13	GBS 97 AVP PAF B OV with 4686 4687	A	Function IV	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21, 30	1-15
14	GBS 96 AVP PAF B OV with 4686 4687	B	Function IV	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B	-	1-15
15	GBS 97 AVP PAF E OV 2* with 4686 4687	A	Function I	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21, 30	1-15
16	GBS 96 AVP PAF E OV 2* with 4686 4687	B/D	Function I	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B/D	-	1-15
17	GBS 97 AVP PAF B	A	Function IV	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21, 30	1-15
18	GBS 96 AVP PAF B	B	Function IV	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B	-	1-15
19	GBS 97 AVP PAF E 2*	A	Function I	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21, 30	1-15
20	GBS 96 AVP PAF E 2*	B/D	Function I	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B/D	-	1-15
21	GBS 98	C	Function Ia	30 - 85mm	-	≥ 22 mm	4*	3 7* 7 B 1 3 5 2 A C	1, 3, 5, 7, 9, 11, 13, 15 , 17, 19 , 24, 25 , 28, 29	1-15
22	GBS 968 R	B	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B	-	1-15
23	GBS 968 RZ	B	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B	-	1-15
24	GBS 978 R	A	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21	1-15
25	GBS 978 RZ	A	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21	1-15
26	GBS 969 R	B	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B	-	1-15
27	GBS 969 RZ	B	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 5 2 A B	-	1-15
28	GBS 979 R	A	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21	1-15
29	GBS 979 RZ	A	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 5 2 A A	21	1-15
30	GBS 99M with GBS 99	C	Function Ia	35 - 85mm	-	≥ 22 mm	4*	3 7* 7 0 1 3 5 2 A C	1, 3, 5, 7, 9, 11, 13, 15 , 17, 19	1-15

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

- *): latches Type C – exclusively use for the passive leaf of double leaf doors – were carried out according EN 179 for the detection of Class 7 for durability (2nd character) only 20,000 cycles.
- 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 (E): 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 Ia (Geg.): One-piece spindle hub, constantly active escape door function.
It is always possible to open both door leaves about the passive leaf by the handle.
- Function II (C): splitted follower, constantly working escape door function from the inside.
Opening is always possible over the interior handle from the inside. The external handle is electronic coupled in or out. A special handle with a splitted spindle is needed.
- Function III (D) : 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 (B): 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.
- VS-type A: lock for a single or a double leaf door: active or inactive leaf.
- VS-type B: lock for a single leaf door.
- VS-type C: lock for a double leaf door: only inactive leaf.
- VS-type D: lock for inside opening single leaf doors
- 1*: special striking plates according Appendix 3 may also be used.
- 2*: optionally equipped with a secured latch retainer.
Required change in classification:

X	X	X	0	X	X	X	X	X	X	X
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- 3*: striking plate Series 9xxR, special striking plates according Appendix 3 may also be used.
- 4*: Shoot bolt 9647 to 9650, 9656, Base plate for bold guide 9653, striking plate 9xxR, floor keep 9651, 9652, stone sleeve 9685, shoot bolt guide 9644. Optional without lower shoot bolt 9647, special striking plates according Appendix 3 may also be used.

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Lever handles

No.	Manufacturer	Code
1	WILKA	DO 9.10
2	ECO	DO 20.1. DO 2.17 DO 25.21
3	HEWI	VE 30-26
4	HOPPE	DO 20.7 DO 20.20
5	FSB	DO 20.3
6	VIELER	DO 20.12
7	OGRO	DO 20.4
8	GLUTZ	
9	HAFI	DO 20.32
10	HERMAT	ift 230 8000244-1
11	Dieckmann	DO 20.16
12	Wilhelm May	
13	Süd-Metall	ift 2308008783-4-2
14	Salto Systems	DO 20.52
15	HUECK	

Emergency exit devices according to DIN EN 179 for single and double leaf doors

ECO Emergency exit devices

Alternative and additional equipment

1. Outside door handle

For devices type A or type B the 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. can be used as outside handles. The handles must wear coding DO 20.52.

2. Special striking plates / door opener

As an alternative to the standard strike plates may latches with special striking plates series 9xxR *) and operating electric power door openers series

effeff Model: 142, 143, 131, 111, 19, 116, 118 and 119,

dormakaba Model: Fire 447, Smoke 117

GEZE GmbH Model: FT 200, FT 201, FT 500, FT 501, R 7000, R 7001, A 7000

or optionally equipped with adapted to the respective door opener replacement pieces.

When using the above door opener it is possibly necessary to adapt the fire protection classification (4. digit of the classification) of the latches.

*) Only in conjunction with spring loaded snap lock 4687.

3. Safety devices

Against the securing of emergency exit locks with the

a) GFS-door guard, EN 179 handed version,

Manufacturer: GFS Gesellschaft für Sicherheitstechnik mbH
Tempowerkring 15
21079 Hamburg

and

b) „EXITalarm,

Manufacturer: ASSA ABLOY Sicherheitstechnik GmbH
Bildstockstraße 20
72458 Albstadt

c) door guard DENI Exit,

Manufacturer: DENI
Niederhoff & Dellenbusch GmbH & Co. KG
Nordring 26-30
42579 Heiligenhaus

are no concerns.

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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: 1600 mm width, 3500 mm high): (Grade 7: 400 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 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: 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 face gap R ≥25mm): 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: 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 0: NPD Grade B: passed
<i>Control of dangerous substances</i>	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