

Materialprüfungsamt Nordrhein-Westfalen

Prüfen • Überwachen • Zertifizieren

Certificate of constancy of performance

0432-CPR-00005-01.03

Version 03

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 on escape routes as detailed and classified in annex 2 and with the intended use in annex 4,

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 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 22.04.2020 and will remain valid until 10.05.2025 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 16.12.2024



By order

RBA T. Meinks

Deputy Head of Certification Body Department
22.30

This Certificate consists of 1 page and 4 annexes.

This Certificate replaces the Certificate no. 0432-CPR-00005-01.3 dated
10.05.2024, Version 02.

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	Manufacturing plant
Locks/Devices	DO 9.10
Bars	ECO Schulte GmbH & Co. KG Iserlohner Landstraße 117 D-58706 Menden DO 20.1, DO 30.03 -----
	ESB Schulte Baubeschläge GmbH & Co. KG Industriestr. 2 D-14943 Luckenwalde DO 2.17
Elektromechanical striking plates / door openers	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstr. 20 D-72458 Albstadt DO 22.0 -----
	dormakaba Deutschland GmbH DORMA Platz 1 D-58256 Ennepetal DO 2.1 -----
	GEZE GmbH Elemirski put 3 SRB-23000 Zrenjanin DO 22.2

ECO Panic exit devices

Devices

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

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No	Item No.	Vs-type	Function	Backset	Distance	Forend width	Accessories	Classification	Cmb	Stg
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 2 w A/B ^d A	21,30	1,3,5,7,9
16	GBS 96 AVP PAF E OV 2* with 4686 4687	B	Function I	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 2 w A/B ^d B	-	1,3,5,7,9
17	GBS 97 AVP PAF B	A	Function IV	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 2 w A/B ^d A	21,30	1,3,5,7,9
18	GBS 96 AVP PAF B	B	Function IV	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 2 w A/B ^d B	-	1,3,5,7,9
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 2 w A/B ^d A	21,30	1,3,5,7,9
20	GBS 96 AVP PAF E 2*	B	Function I	30 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 2 w A/B ^d B	-	1,3,5,7,9
21	GBS 98	C	Function Ia	30 - 85mm	-	≥ 22 mm	4*	3 7 7 B 1 3 2 w A/B ^d C	1,3 5,7 9,11 13,15 17,19 24,25 28,29	2,4,6,8,10
22	GBS 968 R	B	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 2 w A/B ^d B	-	1,3,5,7,9
23	GBS 968 RZ	B	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 2 w A/B ^d B	-	1,3,5,7,9
24	GBS 978 R	A	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 2 w A/B ^d A	21	1,3,5,7,9
25	GBS 978 RZ	A	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 2 w A/B ^d A	21	1,3,5,7,9
26	GBS 969 R	B	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 2 w A/B ^d B	-	1,3,5,7,9
27	GBS 969 RZ	B	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	3*	3 7 7 B 1 3 2 w A/B ^d B	-	1,3,5,7,9
28	GBS 979 R	A	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 2 w A/B ^d A	21	1,3,5,7,9
29	GBS 979 RZ	A	Function II	35 - 45mm	92mm PZ 94mm RZ	≥ 22 mm	1*	3 7 7 B 1 3 2 w A/B ^d A	21	1,3,5,7,9
30	GBS 99M with GBS 99	C	Function Ia	35 - 85mm	-	≥ 22 mm	4*	3 7 7 0 1 3 2 w A/B ^d C	1,3 5,7 9,11 13,15 17,19	2,4,6,8,10

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

x	x	x	x	x	x	x	x	w	x	x
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 W : see table touch and push bars

All kinds of cylinders do not have influence on the escape function of the lock.

- VS-type B: lock for a single leaf door.
- VS-type A: lock for a single or a double leaf door: active or inactive leaf.
- VS-type C: lock for a double leaf door: only inactive leaf.

Stg: Shows the bars with which the latches can be fitted.

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

c) Classification „B“ by using bar 5, 6, 11 and 12, 13, 14.

1* Standard striking plates according to annex 3 may also be placed on the market.

2* optionally equipped with a secured latch retainer.

Required change in classification:

x	x	x	0	x	x	x	x	x	x
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3* Special striking plates according to annex 3 may also be placed on the market.

4* Shoot bolts 9647 to 9650, 9656, Base plate for bold guide 9653, floor keep 9651, 9652, stone sleeve 9685, shoot bolt guide 9644. Optional without lower shoot bolt 9647

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): Split spindle hub, 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.

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Touch- and push bars

Stg	Type Nr.	Code	Distance	handle length	handle tube	Lever arm	caps	Classification w=
1	ECO-EPN 2000 II 30°	DO 2.17	-	≤ 1450 mm	stainless steel	-	stainless steel	2
2	ECO-EPN 2000 II 40°-45°	DO 2.17	-	≤ 1450 mm	stainless steel	-	stainless steel	2
3	ECO EPN 900 III ER 30°	DO 30.03	92 mm PZ 94 mm RZ	≤ 1450 mm	stainless steel	stainless steel	stainless steel, plastic	1
4	ECO EPN 900 III ER 40°-45°	DO 30.03	-	≤ 1450 mm	stainless steel	stainless steel	stainless steel, plastic	1
5	ECO EPN 950 ER 30°	DO 20.1	-	≤ 1450 mm	stainless steel, aluminium	stainless steel	stainless steel,	1
6	ECO EPN 950 ER 40° - 45°	DO 20.1	-	≤ 1450 mm	stainless steel, aluminium	stainless steel	stainless steel	1
7	ECO EPN 900 IV 30°	DO 20.1	92 mm PZ 94 mm RZ	≤ 1450 mm	stainless steel, aluminium	stainless steel	stainless steel	1
8	ECO EPN 900 IV 40° - 45°	DO 20.1	92 mm PZ 94 mm RZ	≤ 1450 mm	stainless steel, aluminium	stainless steel	stainless steel	1
9	ECO EPN 2000 III 30°	DO 2.17	-	≤ 1120 mm	stainless steel, aluminium	stainless steel, aluminium	stainless steel, zinc die-casting	2
10	ECO EPN 2000 III 40° - 45°	DO 2.17	-	≤ 1120 mm	stainless steel, aluminium	stainless steel, aluminium	stainless steel, zinc die-casting	2

Outside door handle

Manufacturing plant	Code
ECO	DO 20.1 DO 2.17 DO 25.21

Alternative outside handles see annex 3.



Alternative and additional equipment

1. Outside door handle

Door handles according to DIN 18273:1997-12 or special handles with a valid general building authority approval or general building authority approval with certificate of conformity can be used.

For devices type A or type B the mechatronical handles „Salto XS4 One“, „Salto XS4 Mini“ according to general building authority approval no. Z-6.100-2624, as well as mechatronical handles „XS4 Original“, „XS4 Original+“ and „XS4 One S“ according to general building authority approval no. Z-6.100-2629 of Fa. SALTO Systems S.L. may also be used as outside handles. The handles must wear coding DO 20.52.

For devices type A or type B the handles of the c-lever pro and c-lever compact model series according to general building authority approval no. Z-6.100-2616 may also be used as outside handles. The handles must wear coding DO 20.61 (c-lever compact) oder DO 6.21 (c-lever pro).

For devices type A or type B the mechatronical handles of models series „DOM ENiQ Guard“, „DOM ELS Guard“ and „DOM TapKey Guard“ according to general building authority approval No. Z-6.100-2554 of the company DOM Sicherheitstechnik GmbH & Co. KG may also be used as outside handles.

For devices type A or type B the mechatronical handles "CES OMEGA FLEX ILS", " CES OMEGA FLEX SMARTSCHILD SIS" bzw. " CES OMEGA ILS-I" according to general building authority approval No. Z-6.100-2586 of the company C.Ed. Schulte GmbH Zylinderschlossfabrik may also be used as outside handles. The handles must wear coding DO 5.6.

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

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:

Manufacturer: GfS Gesellschaft für Sicherheitstechnik mbH
Tempowerkring 15
21079 Hamburg

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.

3. Standard striking plates

The standard striking plates listed below may be placed on the market as part of the device systems:

- Striking plates main lock: P616, P627, P641, P642, P643, P644, P650, P654, P655, P657, P659, P660, P661, P662, P663, P664, P665, P666, P678, P679, P680, P681, P685, P686, P688, P689, P701, P703, P704, P721, P730, P746, P747, P757, P760, P770, P772, P777, P785, P789, P793, P801, P802, P822
- Striking plates additional lock (Multi-lock): P880, P881, P882, P883, P884
- Striking plates additional upper-latch: P604, P605, P608, P612, P617, P622, P645, P646, P651, P656, P667, P668, P669, P670, P677, P696, P707, P715, P719, P722, P723, P726, P727, P736, P738, P740, P745, P753, P754, P756, P763, P773, P774, P778, P781, P782, P784, P810, P817, P818, P819, P821

4. Electromechanical striking plates / door opener

The special striking plates listed below may be placed on the market as electromechanical striking plates as part of the locking systems in combination with the electric strikes listed:

- Striking plates main lock in combination with electric strike: P614, P615, P623, P624, P648, P652, P672, P673, P675, P684, P691, P692, P697, P698, P699, P700, P712, P713, P720, P725, P732, P733, P739, P748, P749, P750, P751, P755, P759, P768, P776, P786, P787, P788, P791, P792, P800, P804
- Striking plates additional upper-latch in combination with electric strike: P600, P601, P602, P603, P609, P610, P613, P625, P649, P676, P687, P694, P695, P705, P706, P708, P709, P710, P711, P717, P718, P735, P737, P742, P743, P744, P752, P764, P767, P775, P790, P805, P806, P807, P808, P811, P812, P813, P814, P815, P816, P820, P823, P824, P827, P828, P829

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

When using the above mentioned electromechanical striking plates or door openers it is possibly necessary to adapt the fire protection classification (4. digit of the classification) of the devices.

Electric strikes with day release function are not allowed.

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 7: (door mass 400 kg): passed (Dimensions: 1600 mm width, 3500 mm high): passed passed ($\leq 80N, \leq 220N$ under pressure): passed (Grade2, 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 0: NPD Grade B: passed
Control of dangerous substances	4.1.25 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