

Materialprüfungsamt Nordrhein-Westfalen

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Certificate of constancy of performance**0432-CPR-00026-01**

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

Panic exit devices narrow stile

Panic exit devices operated by a horizontal bar for single and double leaf doors as detailed on appendix 2 and with the intended use as detailed in annex 4 ,

placed on the market under the name or trade mark of

dormakaba Deutschland GmbH

DORMA Platz 1
58256 Ennepetal
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 26.02.2015 and will remain valid until 24.01.2025 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 24.01.2020



By order



Dipl.-Ing. T. Friedrich
Head of Certification Body Department 22

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

This Certificate replaces the Certificate no. 0432-CPR-00026-01 dated 11.07.2019,
Version 03.



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.

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

Panic exit devices according DIN EN 1125 for single leaf doors

Description:

Panic exit devices narrow stile

Locking devices

PHA 2500 for single leaf doors, 1-point-locking

Item	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories ¹⁾	Classification
PHA 2500 ^{b)}	B	Function III Function I Function IV	35-45 mm	L/R	92 mm PZ	≥22 mm	Strike plate 9324, 9322, 9624, 9622 lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A B
	B	Function I Function IV	35mm	L/R	94 mm RZ	≥24 mm	Strike plate 9324, 9322, 9624, 9622 lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A B

PHA 2500 TF for single leaf doors, 1-point-locking

Item	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories ¹⁾	Classification
PHA 2500 TF ^{b)}	B	Function I	35-45 mm	L/R	92 mm PZ	≥22 mm	Strike plate 9324, 9322, 9624, 9622 lever pin PH 150, PH 170, PH 180	3 7 7 0 1 3 2 2 A B

PHA 2500 TRS for single leaf doors, 2-point-locking

Item	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories ¹⁾	Classification
PHA 2500 TRS ^{b)}	B	Function III Function I Function IV	35-45 mm	L/R	92 mm PZ	≥22 mm	Strike plate 9324, 9322, 9624, 9622 Lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A B
	B	Function I Function IV	35 mm	L/R	94 mm RZ	≥24 mm		3 7 7 B 1 3 2 2 A B

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

PHA 2500 TF TRS for single leaf doors, 2-point-locking

Item	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories ¹⁾	Classification
PHA 2500 TF TRS ^{b)}	B	Function I	35-45 mm	L/R	92 mm PZ	≥22 mm	Strike plate 9324, 9322, 9624, 9622 Lever pin PH 150, PH 170, PH 180	3 7 7 0 1 3 2 2 A B

Vertical rod

Artikel
PHA 2140 Vertical rod

Maximum weight of door leaf: 400 kg
Maximum width of door leaf: 1600 mm
Maximum height of door leaf: 3500 mm

Panic exit devices with SVP-NG narrow stile for single leaf and double leaf doors

Single leaf doors

Item	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories ¹⁾	Classification
PHA 2500 ^{b)} with SVP 2000, SVP 2000F, SVP 4000, SVP 5000 and SVP 6000	B	Function I/II	35-45mm	L/R	92 mm PZ, 94 mm RZ	24-30 mm	U- or flat striking plate	3 7 7 B* 1 4 2 2 A B
PHA 1500 ^{b)} or ECO EPN 900 IV ^{b)} with SVP 2000, SVP 2000F, SVP 4000, SVP 5000 and SVP 6000	B	Function I/II	35-45mm	L/R	92 mm PZ, 94 mm RZ	24-30 mm	U- or flat striking plate	3 7 7 B* 1 4 2 1 A B
BKS B 71xx ^{b)} with SVP 2000, SVP 2000F, SVP 4000, SVP 5000 and SVP 6000	B	Function I/II	35-45mm	L/R	92 mm PZ, 94 mm RZ	24-30 mm	U- or flat striking plate	3 7 7 B* 1 4 2 1 A B
BKS B-74xx ^{b)} with SVP 2000, SVP 2000F, SVP 4000, SVP 5000 and SVP 6000	B	Function I/II	35-45mm	L/R	92 mm PZ, 94 mm RZ	24-30 mm	U- or flat striking plate	3 7 7 B* 1 4 2 1/2 A/B B

*) Usage of the lock SVP 2000 in fire/smoke rated doors, only in combination with the external power reserve module "SVP-PR DCW".

Maximum weight of door leaf: 250 kg
Maximum width of door leaf: 1300 mm
Maximum height of door leaf: 2500 mm

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

Panic exit devices with SVP-NG narrow stile for single leaf and double leaf doors

Double leaf doors

Item no.		VS-Type	Function	Backset	DIN	Distance	Forend	Accessories	Classification
Active leaf	Inactive leaf								
PHA 2500 ^{b)} with SVA 2000, SVA 2000F, SVA 4000, SVA 5000, SVA 6000	PHA 2500 ^{b)} with SVI 2000F, SVI 4000, SVI 5000	A/C	I/II	35-45 mm	L/R	92 mm PZ 94 mm RZ	24-30 mm	SVI VR25 SVI VR35 SVI Acc-Set floor keeper	<p>SVA 3 7 7 B* 1 4 2 2 A A</p> <p>SVI 3 7 7 B 1 4 2 2 A C</p>
PHA 1500 ^{b)} or ECO EPN 900 IV ^{b)} with SVA 2000, SVA 2000F, SVA 4000, SVA 5000, SVA 6000	PHA 1500 ^{b)} or ECO EPN 900 IV ^{b)} with SVI 2000F, SVI 4000, SVI 5000	A/C	I/II	35-45 mm	L/R	92 mm PZ 94 mm RZ	24-30 mm	SVI VR25 SVI VR35 SVI Acc-Set floor keeper	<p>SVA 3 7 7 B* 1 4 2 1 A A</p> <p>SVI 3 7 7 B 1 4 2 1 A C</p>
BKS B 71xx ^{b)} with SVA 2000, SVA 2000F, SVA 4000, SVA 5000, SVA 6000	BKS B 71xx ^{b)} with SVI 2000F, SVI 4000, SVI 5000	A/C	I/II	35-45 mm	L/R	92 mm PZ 94 mm RZ	24-30 mm	SVI VR25 SVI VR35 SVI Acc-Set floor keeper	<p>SVA 3 7 7 B* 1 4 2 1 A A</p> <p>SVI 3 7 7 B 1 4 2 1 A C</p>
BKS B 74xx ^{b)} with SVA 2000, SVA 2000F, SVA 4000, SVA 5000, SVA 6000	BKS B 74xx ^{b)} with SVI 2000F, SVI 4000, SVI 5000	A/C	I/II	35-45 mm	L/R	92 mm PZ 94 mm RZ	24-30 mm	SVI VR25 SVI VR35 SVI Acc-Set floor keeper	<p>SVA 3 7 7 B* 1 4 2 1/2 A/B A</p> <p>SVI 3 7 7 B 1 4 2 1/2 A/B C</p>

*) Usage of the lock SVA 2000 in fire/smoke rated doors, only in combination with the external power reserve module "SVP-PR DCW".

Maximum weight of door leaf: 250 kg
Maximum width of door leaf: 1300 mm
Maximum height of door leaf: 2500 mm

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

- 1) Accessoires: The products may be used in door frames / steel frames with a recess for latch and lock bolt according to DIN 18111.
- 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).
- Function I: One-piece spindle hub, constantly working escape door function from the inside. Opening is always possible over the panic device from the inside. The door can be opened from the outside with key or handle. Shift function E
- Function II: Splitted follower, constantly working escape door function from the inside. Opening is always possible over the panic device from the inside. The external handle is electronic coupled in or out. A special handle with a splitted spindle is needed.
- 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. Access function D
- 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. Shift function B
- 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.
- 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:
- the inactive leaf catch is secured against maloperation, and
 - the passage width of the active leaf is sufficient as escape route width.

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

Panic exit devices according DIN EN 1125 for double leaf doors

Description:

Panic exit devices narrow stile

Locking devices

PHA 2510 active leaf locking device for double leaf doors, 1-point-locking

Item no.	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories	Classification
PHA 2510 ^{b)}	A	Function III Function I Function IV	35-45mm	L/R	92 mm PZ	≥22 mm	Lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A A
	A	Function I Function IV	35 mm	L/R	94 mm RZ	≥24 mm	Lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A A

PHA 2510 TF, active leaf locking device for double leaf doors, 1-point-locking

Item no.	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories	Classification
PHA 2510 TF ^{b)}	A	Function I	35-45 mm	L/R	92 mm PZ	≥22 mm	Lever pin PH 150, PH 170, PH 180	3 7 7 0 1 3 2 2 A A

PHA 2510 TRS, active leaf locking device for double leaf doors, 2-point-locking

Item no.	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories	Classification
PHA 2510 TRS ^{b)}	A	Function III Function I Function IV	35-45mm	L/R	92 mm PZ	≥22 mm	Lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A A
	A	Function I Function IV	35 mm	L/R	94 mm RZ	≥24 mm	Lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A A

PHA 2510 TF TRS, active leaf locking device for double leaf doors, 2-point-locking

Item no.	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories	Classification
PHA 2510 TF TRS ^{b)}	A	Function I	35-45mm	L/R	92 mm PZ	≥22 mm	Lever pin PH 150, PH 170, PH 180	3 7 7 0 1 3 2 2 A A

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

PHA 2520 TRS, inactive leaf locking device for double leaf doors

Item no.	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories	Classification
PHA 2520 TRS	C	---	35-45mm	L/R	---	≥22 mm	floor keeper PHA 2120, 2121, 2122 Lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A C

PHA 2521 and PHA 2522, inactive leaf locking device for double leaf doors with electric strike

Item no.	VS-Type	Function	Backset	DIN	Distance	Forend	Accessories	Classification
PHA 2521 PHA 2522	C	---	35-65mm	L/R	---	≥22 mm	Lipped forend, floor keeper PHA 2120, 2121, 2122 electric strike	3 7 7 B 1 3 2 2 A C

Maximum weight of door leaf: 400 kg
Maximum width of door leaf: 1600 mm
Maximum height of door leaf: 3500 mm

- 1) Accessoires: The products may be used in door frames / steel frames with a recess for latch and lock bolt according to DIN 18111.
- 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).

Function I: One-piece spindle hub, constantly working escape door function from the inside. Opening is always possible over the panic device from the inside. The door can be opened from the outside with key or handle. Shift function E

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. Access function D

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. Shift function B

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.

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.

Vertical rod

PHA 2140, Vertical rod above, use of metal frame doors
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PHA 2195, Vertical rod below, use of metal frame doors
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Bar (push bar)

PHA 2105

PHA 2106

Accessories (not for SVP)

PHA 9361, electric strike plate

PHA 9366, electric strike lipped plate
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PHA 9834, sprung latch (use for: TRS active leaf)

Electric strike plate for double leaf

U-plate for latch

Forend plate set for strike box

Strike adapter (plate for forend)

Alternative & special equipment

1. Outside door handle

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

2. Special striking plates

As an alternative to the standard strike plate the panic exit devices may also be used with the following products:

Manufacturer	Product
dormakaba Deutschland GmbH	Smoke, Smoke 448
	Electric strikes (operating current) for smoke doors.
	Fire 447, Fire 448, Fire 449
	Electric strikes (operating current) for fire and smoke doors.

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
<i>Ability to release</i> (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	≤ 1 s: passed Type A: passed Type B: passed w ≤ 100 mm or 150 mm depending on the model Grade A, B or C: passed passed Grade 7: (door mass > 200 kg): passed (Dimensions: depending on the model, see annex 1) passed (≤ 80N, ≤ 220N under pressure): passed passed, see classification
<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 –Horizontal bar Final examination	passed passed, see classification (-10°C to +60°C, ≤ +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 (≤ 80N, ≤ 220N under pressure): 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 Note 2 in ZA.1	According to the manufacturer the materials in the product do not contain or release any dangerous substances in excess of maximum levels specified in existing European material standards or any national regulations