

Materialprüfungsamt Nordrhein-Westfalen

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Certificate of constancy of performance**0432-CPR-00026-02**

Version 09

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 wide stile

Panic exit devices operated by a horizontal bar for single and double leaf doors as detailed on annex 2 and 3 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 21.02.2025 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 02.12.2020



By order

Dipl.-Ing. (FH) T. Wilms

Head of Certification Body Department 22.30.2

This Certificate consists of 1 page and 4 annexes.

This Certificate replaces the Certificate no. 0432-CPR-00026-02 dated 21.02.2020,
Version 08.



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

Description:

Panic exit devices

Wide stile

Locking device

PHA 2555 for single leaf doors, 1-point-locking

item no.	Vs-Type	Function	Backset	DIN	Entraxe	Forend width	Accessories	Classifikation
PHA 2555 ^{b)}	B	Z	65 mm	L	72 mm PZ	24 mm	Strike plate 5110531332 lever pin PH 150, PH 170, PH180	3 7 7 B 1 3 2 2 A B
	B	Z	65 mm	R	72 mm PZ	24 mm	Strike plate 5110531332 lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A B

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

item no.	Vs-Type	Function	Backset	DIN	Entraxe	Forend width	Accessories	Classifikation
PHA 2500 VB ^{b)}	B	Function III	55 mm	L	72 mm PZ	24 mm	Strike plate 276014 lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A B
		Function III				20 mm		
		Function I				24 mm		
		Function I				20 mm		
		Function IV				24 mm		
		Function IV				20 mm		
	B	Function III	65 mm	L	72 mm PZ	24 mm	Strike plate 276014 lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A B
		Function III				20 mm		
		Function I				24 mm		
		Function I				20 mm		
		Function IV				24 mm		
		Function IV				20 mm		
	B	Function III	80 mm	L	72 mm PZ	24 mm	Strike plate 276014 lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A B
		Function III				20 mm		
		Function I				24 mm		
		Function I				20 mm		
		Function IV				24 mm		
		Function IV				20 mm		
	B	Function III	55 mm	R	72 mm PZ	24 mm	Strike plate 276014 lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A B
		Function III				20 mm		
Function I		24 mm						
Function I		20 mm						
Function IV		24 mm						
Function IV		20 mm						

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

item no.	Vs-Type	Function	Backset	DIN	Entraxe	Forend width	Accessories	Classifikation
PHA 2500 VB ^{b)}	B	Function III	65 mm	R	72 mm PZ	24 mm	Strike plate 276014 lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A B
		Function III				20 mm		
		Function I				24 mm		
		Function I				20 mm		
		Function IV				24 mm		
	Function IV	20 mm						
	B	Function III	80 mm	R	72 mm PZ	24 mm	Strike plate 276014 lever pin PH150, PH 170, PH180	
		Function III				20 mm		
		Function I				24 mm		
		Function I				20 mm		
		Function IV				24 mm		
	Function IV	20 mm						
	B	Function I	65 mm	L	74 mm RZ	20 mm	Strike plate 276014 lever pin PH 150, PH 170, PH 180	
		Function IV		R	74 mm RZ			
		Function I						
Function IV								

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

Maximum weight of door leaf: 400 kg
 Maximum width of door leaf: 1300 mm
 Maximum height of door leaf: 3500 mm

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

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

Single leaf doors

Item no.	Vs-Type	Function	Backset	DIN	Entraxe	Forend width	Accessories ¹⁾	Classifikation
PHA 2500 ^{b)} with SVP 2000, SVP 2000F, SVP 4000, SVP 5000 and SVP 6000	B	SVP	50 mm to 100 mm	L/R	70 mm PZ, 72 mm PZ 74 mm RZ	20 mm- 24 mm	Angular- and lipped strike plate , lever pin PH150, PH 180	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	SVP	50 mm to 100 mm	L/R	72 mm PZ 74 mm RZ	20 mm- 24 mm	Angular- and lipped strike plate , lever pin PH150, PH 180	3 7 7 B* 1 4 2 1 A B
BKS B 71xx ^{b)} with SVP 2000, SVP 2000F, SVP 4000, SVP 5000 und SVP 6000	B	SVP	50 mm to 100 mm	L/R	70 mm PZ, 72 mm PZ 74 mm RZ	20 mm- 24 mm		3 7 7 B* 1 4 2 1 A B
BKS B 74xx ^{b)} with SVP 2000, SVP 2000F, SVP 4000, SVP 5000 und SVP 6000	B	SVP	50 mm to 100 mm	L/R	70 mm PZ, 72 mm PZ 74 mm RZ	20 mm- 24 mm		3 7 7 B* 1 4 2 1/2 A/B B
ECO EPN 2000 II ^{b)} with SVP 2000, SVP 2000F, SVP 4000, SVP 5000 und SVP 6000	B	SVP	50 mm to 100 mm	L/R	70 mm PZ, 72 mm PZ 74 mm RZ	20 mm- 24 mm		3 7 7 B* 1 4 2 2 B B
ECO EPN 900 III ^{b)} with SVP 2000, SVP 2000F, SVP 4000, SVP 5000 and SVP 6000	B	SVP	50 mm to 100 mm	L/R	72 mm PZ 74 mm RZ	20 mm- 24 mm		3 7 7 B* 1 3 2 1 A 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: 1800 mm
 Maximum height of door leaf: 3500 mm

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

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

Double leaf doors

Item no.		Vs-Type	Function	Backset	DIN	Entraxe	Forend width	Accessories ¹⁾	Classification
Active leaf	Inactive leaf								
PHA 2500 ^{b)} with SVA 2000, SVA 2000F, SVA 4000, SVA 5000 and SVA 6000	PHA 2500 ^{b)} with SVI 2000F, SVI 4000, and SVI 5000	A/C	SVP	65 mm to 100 mm	L/R	72 mm PZ 74 mm RZ	20 mm- 24 mm	SVI VR25 SVI VR35 SVI Acc-Set floor hollow	<p style="text-align: center;">SVA</p> <p style="text-align: center;">3 1 7 1 7 B * 1 1 4 2 2 A A</p> <p style="text-align: center;">SVI</p> <p style="text-align: center;">3 1 7 1 7 B 1 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 and SVA 6000	PHA 1500 ^{b)} or ECO EPN 900 IV ^{b)} with SVI 2000F, SVI 4000, and SVI 5000	A/C	SVP	65 mm to 100 mm	L/R	72 mm PZ 74 mm RZ	20 mm- 24 mm	SVI VR25 SVI VR35 SVI Acc-Set floor hollow	<p style="text-align: center;">SVA</p> <p style="text-align: center;">3 1 7 1 7 B * 1 1 4 2 1 A A</p> <p style="text-align: center;">SVI</p> <p style="text-align: center;">3 1 7 1 7 B 1 1 4 2 1 A C</p>
BKS B 71xx ^{b)} with SVA 2000, SVA 2000F, SVA 4000, SVA 5000 and SVA 6000	BKS B 71xx ^{b)} with SVI 2000F, SVI 4000, and SVI 5000	A/C	SVP	65 mm to 100 mm	L/R	72 mm PZ 74 mm RZ	20 mm- 24 mm	SVI VR25 SVI VR35 SVI Acc-Set floor hollow	<p style="text-align: center;">SVA</p> <p style="text-align: center;">3 1 7 1 7 B * 1 1 4 2 1 A A</p> <p style="text-align: center;">SVI</p> <p style="text-align: center;">3 1 7 1 7 B 1 1 4 2 1 A C</p>
BKS B 74xx ^{b)} with SVA 2000, SVA 2000F, SVA 4000, SVA 5000 and SVA 6000	BKS B 74xx ^{b)} with SVI 2000F, SVI 4000, and SVI 5000	A/C	SVP	65 mm to 100 mm	L/R	72 mm PZ 74 mm RZ	20 mm- 24 mm	SVI VR25 SVI VR35 SVI Acc-Set floor hollow	<p style="text-align: center;">SVA</p> <p style="text-align: center;">3 1 7 1 7 B * 1 1 4 2 1 / 2 A / B A</p> <p style="text-align: center;">SVI</p> <p style="text-align: center;">3 1 7 1 7 B 1 1 4 2 1 / 2 A / B C</p>
ECO EPN 2000 II ^{b)} with SVA 2000, SVA 2000F, SVA 4000, SVA 5000 and SVA 6000	ECO EPN 2000 II ^{b)} with SVI 2000F, SVI 4000, and SVI 5000	A/C	SVP	65 mm to 100 mm	L/R	72 mm PZ 74 mm RZ	20 mm- 24 mm	SVI VR25 SVI VR35 SVI Acc-Set floor hollow	<p style="text-align: center;">SVA</p> <p style="text-align: center;">3 1 7 1 7 B * 1 1 4 2 2 B A</p> <p style="text-align: center;">SVI</p> <p style="text-align: center;">3 1 7 1 7 B 1 1 4 2 2 B C</p>
ECO EPN 900 III ^{b)} with SVA 2000, SVA 2000F, SVA 4000, SVA 5000 and SVA 6000	ECO EPN 900 III ^{b)} with SVI 2000F, SVI 4000, and SVI 5000	A/C	SVP	65 mm to 100 mm	L/R	72 mm PZ 74 mm RZ	20 mm- 24 mm	SVI VR25 SVI VR35 SVI Acc-Set floor hollow	<p style="text-align: center;">SVA</p> <p style="text-align: center;">3 1 7 1 7 B * 1 1 3 2 1 A A</p> <p style="text-align: center;">SVI</p> <p style="text-align: center;">3 1 7 1 7 B 1 1 3 2 1 A C</p>

*1) 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: 1800 mm
 Maximum height of door leaf: 3500 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 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.
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
- Function IVb: 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 lock has no latch.
Special function : Z
- 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.

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

Panic exit devices according DIN EN 1125 for double leaf doors

PHA 2560, active leaf locking device for double leaf VB-doors, 1-point locking

item no.	Vs-Type	Function	Backset	DIN	Entraxe	Forend width	Accessories	Classifikation
PHA 2560 ^{a)}	A	Function III	55 mm	L	72 mm	24 mm	Lever pin PH 150, PH 170, PH 180	3 7 7 B 1 3 2 2 A A
		Function I						
		Function IV						
		Function III	65 mm					
		Function I						
		Function IV						
		Function III	80 mm					
		Function I						
		Function IV						
	A	Function III	55 mm	L	72 mm	20 mm	Lever pin PH 150, PH 170, PH 180	
		Function I						
		Function IV						
		Function III	65 mm					
		Function I						
		Function IV						
		Function III	80 mm					
		Function I						
		Function IV						
	A	Function III	55 mm	R	72mm	24mm	Lever pin PH 150, PH 170, PH 180	
		Function I						
		Function IV						
		Function III	65 mm					
		Function I						
		Function IV						
Function III		80 mm						
Function I								
Function IV								
A	Function III	55 mm	R	72 mm	20 mm	Lever pin PH 150, PH 170, PH 180		
	Function I							
	Function IV							
	Function III	65 mm						
	Function I							
	Function IV							
	Function III	80 mm						
	Function I							
	Function IV							
A	Function I	65 mm	L	94 mm RZ	20 mm	Lever pin PH 150, PH 170, PH 180		
	Function IV							
	Function I							
	Function I	R	94 mm RZ					
	Function I							
	Function IV							

Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

PHA 2570 TRS, inactive leaf locking device for double leaf VB-doors

item no.	Vs-Type	Function	Backset	DIN	Entraxe	Forend width	Accessories	Classification		
PHA 2570 TRS	C	---	65 mm	L	---	24 mm	floor strike PHA 2120, 2121, 2122 strike plate PHA 7380, 7337 Lever pin PH 150, PH 170,PH 180	3 7 7 B 1 3 2 2 A C		
			80 mm			20 mm				
			65 mm			24 mm				
			80 mm			20 mm				
			65 mm							
			80 mm							
	C	---	65 mm	L	---	20 mm lipped forend width				3 7 7 B 1 3 2 2 A C
						20 mm angular forend width				
						20 mm lipped forend width				
						20 mm angular forend width				
C			R							

Maximum weight of door leaf: 400 kg
 Maximum width of door leaf: 1300 mm
 Maximum height of door leaf: 3500 mm

- 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 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.
 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
- Funktion IVb: 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 lock has no latch.
 Special function : Z

- 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.



Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

Vertical rod

Artikel
PHA 2160, Vertical rod above, use of timber doors
PHA 2161, Vertical rod below, use of timber doors

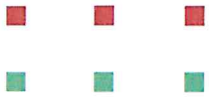
Bar PHA 2105 (push bar)

Handle length	Material
Max. 1150 mm	steel

Accessories

Artikel
PHA 9834, sprung latch (use for: TRS active leaf)
Strike plate electric opener for double leaf
U-plate for latch
Forend plate set for strike box
Strike adapter (plate for forend)

Remark: All latches in this certificate with a forend width 28 mm have no influence on the perfect escape door function.



Panic exit devices

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. Escape route security

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 (working current principle = energized locking) for smoke doors.
dormakaba Deutschland GmbH	Fire 447, Fire 448, Fire 449 Electric strikes (working current principle = energized locking) 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
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: passed Type B: passed $w \leq 100$ mm or 150 mm depending on the model Grade A, B or C: passed Grade 7: (door mass > 200 kg): passed (Dimensions: depending on the model, see annex 1): passed passed passed ($\leq 80N$, $\leq 220N$ under pressure): passed passed, see classification
Durability of ability to release against aging and degradation (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 ($-10^{\circ}C$ to $+60^{\circ}C$, $\leq +50\%$) 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 $R \geq 25$ mm): 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: 200.000 cycles, Grade 7) passed $(\leq 50$ 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 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