

Materialprüfungsamt Nordrhein-Westfalen

Prüfen • Überwachen • Zertifizieren

Certificate of constancy of performance**0432-CPR-00026-30**

Version 02

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

Overhead door closer TS 93

Controlled door closing devices for single and double leaf swing doors
according to the composition and classification in annex 1

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)

DO 2.20

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in annex ZA of the standard(s)

EN 1154:1996/A1:2002/AC:2006

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 02.09.2019 and will remain valid until 02.09.2024 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 25th October 2021



By order

Dipl.-Ing. (FH) T. Wilms
Head of Certification Body Department 2230.2

This Certificate consists of 1 page and 1 annex(es). It replaces certificate no. 0432-CPR-00026.30 Version 01 from 2nd September 2019

The original of this document was issued in German language.

In case of doubt only the German version is valid.

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List of Products

Type :	„TS 93 B EN 1-5“
Description :	Overhead door closer with hydraulic damping.
Arm system :	Slide channel arm assembly
Installation :	Door-leaf fixing, pull side according to manufacturer specifications
Size :	1-5
Classification :	4 8 1-5 1 1 4
Manufacturing plant :	DO 2.20
Remarks :	Optionally with or without mounting plate or fire protection plate. When used on fire- and smoke- protection doors, the closing device must be set at least size EN 3.

Type :	„TS 93 G EN 1-5“
Description :	Overhead door closer with hydraulic damping.
Arm system :	Slide channel arm assembly
Installation :	Frame fixing, pull side according to manufacturer specifications
Size :	1-5
Classification :	4 8 1-5 1 1 4
Manufacturing plant :	DO 2.20
Remarks :	Optionally with or without mounting plate or fire protection plate. When used on fire- and smoke- protection doors, the closing device must be set at least size EN 3.

Intended use:

On single- and double-leaf fire- and/or smoke-protection swing doors

Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	TS 93 B EN 1-5 / TS 93 G EN 1-5 5.2.1 General 5.2.3 Closing torque 5.2.4 Opening torque 5.2.5 Efficiency 5.2.6 Closing time 5.2.7 Opening angle Door-leaf fixing, pull side Frame fixing, pull side 5.2.8 Overload behaviour 5.2.9 Temperature dependence 5.2.10 Leaking 5.2.11 Damage 5.2.12 Latch 5.2.13 Back check 5.2.14 Delayed action 5.2.15 Adjustable closing force 5.2.16 Play at zero position 5.2.18 Suitability for fire-/smoke-protection doors	Passed Passed (Size 1-5) Passed (Size 1-5) Passed (Size 1-5) Passed (Size 1-5) Passed (Class 4) Passed (Class 4) Passed (Size 1-5) Passed (Size 1-5) Passed (Size 1-5) Passed (Size 1-5) Passed (Size 1-5) Passed (Size 1-5) Passed (Size 1-5) Passed (Size 1-5) Not applicable Passed (Class 1)
Durability of self-closing	5.2.2 Durability 5.2.17.1 Corrosion resistance 5.2.17.2 Corrosion resistance 5.2.17.3 Corrosion resistance	Passed Class 8 (500 000 Cycles) Passed Class 4 (240h) Passed Class 4 (240h) Passed Class 4 (240h)
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

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Type :	„TS 93 B EN 2-5“ & „TS 93 B EN 2-5 Basic“
Description :	Overhead door closer with hydraulic damping.
Arm system :	Slide channel arm assembly
Installation :	Door-leaf fixing, pull side according to manufacturer specifications (standard installation) Frame fixing, pull side according to manufacturer specifications
Size :	2-5
Classification :	4 8 2-5 1 1 4
Manufacturing plant :	DO 2.20
Remarks :	Optionally with or without mounting plate or fire protection plate. When used on fire- and smoke- protection doors, the closing device must be set at least size EN 3.

Type :	„TS 93 G EN 2-5“ & „TS 93 G EN 2-5 Basic“
Description :	Overhead door closer with hydraulic damping.
Arm system :	Slide channel arm assembly
Installation :	Door-leaf fixing, pull side according to manufacturer specifications (standard installation) Frame fixing, pull side according to manufacturer specifications
Size :	2-5
Classification :	4 8 2-5 1 1 4
Manufacturing plant :	DO 2.20
Remarks :	Optionally with or without mounting plate or fire protection plate. When used on fire- and smoke- protection doors, the closing device must be set at least size EN 3.

Type :	„TS 93 B EN 5-7“
Description :	Overhead door closer with hydraulic damping.
Arm system :	Slide channel arm assembly
Installation :	Door-leaf fixing, pull side according to manufacturer specifications (standard installation) Frame fixing, push side according to manufacturer specifications
Size :	5-7
Classification :	4 8 5-7 1 1 4
Manufacturing plant :	DO 2.20
Remarks :	Optionally with or without mounting plate or fire protection plate.

Type :	„TS 93 G EN 5-7“
Description :	Overhead door closer with hydraulic damping.
Arm system :	Slide channel arm assembly
Installation :	Frame fixing, pull side according to manufacturer specifications (standard installation) Door-leaf fixing, push side according to manufacturer specifications
Size :	5-7
Classification :	4 8 5-7 1 1 4
Manufacturing plant :	DO 2.20
Remarks :	Optionally with or without mounting plate or fire protection plate.

Intended use:

On single- and double-leaf fire- and/or smoke-protection swing doors

Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	<p>TS 93 B EN 5-7 und TS 93 G EN 5-7</p> <p>5.2.1 General</p> <p>5.2.3 Closing torque</p> <p>5.2.4 Opening torque</p> <p>5.2.5 Efficiency</p> <p>5.2.6 Closing time</p> <p>5.2.7 Opening angle</p> <p>TS 93 B EN 5-7</p> <p>Door-leaf fixing, pull side</p> <p>Frame fixing, push side</p> <p>TS 93 G EN 5-7</p> <p>Door-leaf fixing, push side</p> <p>Frame fixing, pull side</p> <p>5.2.8 Overload behaviour</p> <p>5.2.9 Temperature dependence</p> <p>5.2.10 Leaking</p> <p>5.2.11 Damage</p> <p>5.2.12 Latch</p> <p>5.2.13 Back check</p> <p>5.2.14 Delayed action</p> <p>5.2.15 Adjustable closing force</p> <p>5.2.16 Play at zero position</p> <p>5.2.18 Suitability for fire-/smoke-protection doors</p>	<p>Passed</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Class 4)</p> <p>Passed (Class 3)*¹⁾</p> <p>Passed (Class 3)*¹⁾</p> <p>Passed (Class 4)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Passed (Size 5-7)</p> <p>Not applicable</p> <p>Passed (Class 1)</p>
Durability of self-closing	<p>5.2.2 Durability</p> <p>5.2.17.1 Corrosion resistance</p> <p>5.2.17.2 Corrosion resistance</p> <p>5.2.17.3 Corrosion resistance</p>	<p>Passed Class 8 (500 000 Cycles)</p> <p>Passed Class 4 (240h)</p> <p>Passed Class 4 (240h)</p> <p>Passed Class 4 (240h)</p>
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

*¹⁾ An opening limitation is required.