

Materialprüfungsamt Nordrhein-Westfalen

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Certificate of constancy of performance**0432-CPR-00026-60**

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

**Electrically powered hold-open device integrated in a overhead door closer
of model series "G-EMF" & "G 96 EMF"**

Electrically powered hold-open devices for single- and double-leaf swing doors
according to the composition and classification in Appendix 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 2.1

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

EN 1155:1997/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 06.03.2018 and will remain valid until 06.03.2028 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 13.09.2023



By order

RBA Th. Meinks

Deputy Head of Certification Body, Department 2230

This Certificate consists of 1 page and 1 annex(es). This certificate replaces Certificate no. 0432-CPR.00026-60, dated 06.03.2023, Version 02.

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 :	„G-EMF 120“ und G-EMF (140°)
Description :	In slide channel arm assembly integrated hold-open device EMF.
Arm system :	Slide channel arm assembly
Applied door closers :	TS 93 B EN 2-5 TS 93 B EN 5-7 TS 93 B „Basic“ EN 2-5 TS 93 B EN 1-5 TS 92 B EN 1-4 TS 91 B EN 3 TS 92 B „Basic“ EN 1-4 TS 99 FL EN 2-5
Installation :	Door-leaf fixing, pull side according to manufacturer specifications
Size :	3 - 5
Classification :	3 8 5/3 1 1 3
Manufacturing plant :	DO 2.1
Type :	„G-EMF 120“ und G-EMF (140°)
Description :	In slide channel arm assembly integrated hold-open device EMF.
Arm system :	Slide channel arm assembly
Applied door closers :	TS 93 G EN 2-5 TS 93 G EN 5-7 TS 93 G „Basic“ EN 2-5 TS 93 G EN 1-5 TS 92 G EN 1-4 TS 91 G EN 3 TS 92 G „Basic“ EN 1-4 TS 99 FL EN 2-5
Installation :	Door-leaf fixing, push side according to manufacturer specifications
Size :	3 - 5
Classification :	3 8 5/3 1 1 3
Manufacturing plant :	DO 2.1
Type :	„G-EMR “ und G-EMR/DCW
Description :	In slide channel arm assembly integrated hold-open device EMF with integrated smoke detector.
Arm system :	Slide channel arm assembly
Applied door closers :	TS 93 B EN 2-5 TS 93 B EN 5-7 TS 93 B „Basic“ EN 2-5 TS 93 B EN 1-5 TS 92 B EN 1-4 TS 91 B EN 3 TS 92 B „Basic“ EN 1-4 TS 99 FL EN 2-5
Installation :	Door-leaf fixing, pull side according to manufacturer specifications
Size :	3 - 5
Classification :	3 8 5/3 1 1 0
Manufacturing plant :	DO 2.1

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List of Products

Type :	„G-EMR “ und G-EMR/DCW
Description :	In slide channel arm assembly integrated hold-open device EMF with integrated smoke detector.
Arm system :	Slide channel arm assembly
Applied door closers :	TS 93 G EN 2-5 TS 93 G EN 5-7 TS 93 G „Basic“ EN 2-5 TS 93 G EN 1-5 TS 92 G EN 1-4 TS 91 G EN 3 TS 92 G „Basic“ EN 1-4 TS 99 FL EN 2-5
Installation :	Door-leaf fixing, push side according to manufacturer specifications
Size :	3 - 5
Classification :	3 8 5/3 1 1 0
Manufacturing plant :	DO 2.1

Intended use:

On fire- and/or smoke-protection doors

Essential property	Sections with requirements in EN 1155:1997/A1:2002/AC:2006	Performance of the product
Ability to release	5.1.2 Release from every angle 5.1.3 Prevention of release 5.1.4 Nominal voltage supply G- EMF 120°, G-EMF 140°, G-EMR, G-EMR/DCW 5.1.5 Extern electrical connection 5.1.6 Inlet for external cable management 5.2.1 General 5.2.2 Electrical release 5.2.5 Locking angle 5.2.6 Manual engaging 5.2.7 Permanent locking 5.2.8 Overload behaviour 5.2.9 Release delay 5.2.10 Electrical power 5.2.11 Temperature rise 5.2.12 Damage 5.2.13 Suitability for fire-/smoke protection doors	Passed (Size 3-5) Passed 24 V/ DC or 48 V/DC; Residual ripple 30 % Passed 24 V/ DC; Residual ripple 30 % Passed Passed Passed Passed Passed (Size 3-5) Passed (Size 3-5) Passed (Size 3-5) Passed (Size 3-5) Passed (Size 3-5) No performance declared Passed Passed (Size 3-5) Passed (Size 3-5) Class 1: Passed
Durability of the ability to release	5.2.4 Durability 5.2.14 Corrosion resistance EMF 5.2.14.1 5.2.14.2 5.2.14.3 EMR 5.2.14.1 5.2.14.2 5.2.14.3	Class 8 (500 000 Cycles) Passed (Size 3-5) Class 3 (96h): Passed Class 3 (96h): Passed Class 3 (96h): Passed No requirement Class 0 No requirement Class 0 No requirement Class 0
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

<i>Essential property</i>	<i>Sections with requirements in EN 1154:1996/A1:2002/AC:2006</i>	<i>Performance of the product</i>
<i>Self-closing</i>	<i>TS 93 B EN 2-5 / TS 93 B Basic EN 2-5</i> 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 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 TS 93 B EN 2-5 TS 93 B Basic EN 2-5 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 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Class 4) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Not applicable Passed (Size 2-5) Not applicable Class 1: Passed
<i>Durability of self-closing</i>	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)
<i>Dangerous substances</i>	<i>Annex ZA.3</i>	<i>The manufacturer has not declared any dangerous substances.</i>

<i>Essential property</i>	<i>Sections with requirements in EN 1154:1996/A1:2002/AC:2006</i>	<i>Performance of the product</i>
<i>Self-closing</i>	TS 93 B EN 5-7 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 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 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Class 4) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Not applicable Class 1: Passed
<i>Durability of self-closing</i>	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)
<i>Dangerous substances</i>	Annex ZA.3	The manufacturer has not declared any dangerous substances.

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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 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 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 (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) Passed (Size 1-5) Not applicable Class 1: Passed
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) No requirement Class 0 No requirement Class 0 No requirement Class 0
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	TS 92 B EN 1-4 / TS 92 B Basic EN 1-4 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 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 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Class 4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Not applicable Not applicable Not applicable Not applicable Passed (Size 1-4) Not applicable Class 1: Passed
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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Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	TS 91 B EN 3 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 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 3) Passed (Size 3) Passed (Size 3) Passed (Size 3) Passed (Class 4) Passed (Size 3) Passed (Size 3) Passed (Size 3) Passed (Size 3) Passed (Size 3) Not applicable Not applicable Not applicable Passed (Size 3) Not applicable Class 1: Passed
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.

Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	TS 99 FL EN 2-5 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 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 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Class 4) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Not applicable Not applicable Passed (Size 2-5) Not applicable Class 1: Passed
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 3 (96h) Passed Class 3 (96h) Passed Class 3 (96h)
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

<i>Essential property</i>	<i>Sections with requirements in EN 1154:1996/A1:2002/AC:2006</i>	<i>Performance of the product</i>
<i>Self-closing</i>	<i>TS 93 G EN 2-5 / TS 93 G Basic EN 2-5</i> 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 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 TS 93 B EN 2-5 TS 93 B Basic EN 2-5 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 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Class 3) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Passed (Size 2-5) Not applicable Passed (Size 2-5) Not applicable Class 1: Passed
<i>Durability of self-closing</i>	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)
<i>Dangerous substances</i>	Annex ZA.3	The manufacturer has not declared any dangerous substances.

<i>Essential property</i>	<i>Sections with requirements in EN 1154:1996/A1:2002/AC:2006</i>	<i>Performance of the product</i>
<i>Self-closing</i>	TS 93 G EN 5-7 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 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 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Class 3) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Passed (Size 5-7) Not applicable Class 1: Passed
<i>Durability of self-closing</i>	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)
<i>Dangerous substances</i>	Annex ZA.3	The manufacturer has not declared any dangerous substances.

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Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	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 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 3) 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) Passed (Size 1-5) Not applicable Class 1: Passed
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) No requirement Class 0 No requirement Class 0 No requirement Class 0
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	TS 92 G EN 1-4 / TS 92 G Basic EN 1-4 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 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 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Class 3) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Not applicable Not applicable Not applicable Not applicable Passed (Size 1-4) Not applicable Class 1: Passed
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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Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	TS 91 G EN 3 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 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 3) Passed (Size 3) Passed (Size 3) Passed (Size 3) Passed (Class 3) Passed (Size 3) Passed (Size 3) Passed (Size 3) Passed (Size 3) Passed (Size 3) Not applicable Not applicable Not applicable Passed (Size 3) Not applicable Class 1: Passed
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 :	„G-EMF XEA (140°)“
Description :	In slide channel arm assembly integrated hold-open device.
Arm system :	Slide channel arm assembly
Applied door closers :	TS 92 B XEA EN 1-4 TS 98 XEA EN 1-6 TS 97 FL XEA EN 3-6
Installation :	Door-leaf fixing, pull side according to manufacturer specifications
Size :	3 - 5
Classification :	3 8 5/3 1 1 4
Manufacturing plant :	DO 2.1
Type :	„G-EMR XEA (120°)“ und „G-EMR XEA (140°)“
Description :	In slide channel arm assembly integrated hold-open device.
Arm system :	Slide channel arm assembly
Applied door closers :	TS 92 B XEA EN 1-4 TS 98 XEA EN 1-6 TS 97 FL XEA EN 3-6
Installation :	Door-leaf fixing, pull side according to manufacturer specifications
Size :	3 - 5
Classification :	3 8 5/3 1 1 0
Manufacturing plant :	DO 2.1
Type :	„G-EMF XEA (140°)“
Description :	In slide channel arm assembly integrated hold-open device.
Arm system :	Slide channel arm assembly
Applied door closers :	TS 92 G XEA EN 1-4 TS 98 XEA EN 1-6 TS 97 FL XEA EN 3-6
Installation :	Door-leaf fixing, push side according to manufacturer specifications
Size :	3 - 5
Classification :	3 8 5/3 1 1 4
Manufacturing plant :	DO 2.1
Type :	„G-EMR XEA (120°)“ und „G-EMR XEA (140°)“
Description :	In slide channel arm assembly integrated hold-open device.
Arm system :	Slide channel arm assembly
Applied door closers :	TS 92 G XEA EN 1-4 TS 98 XEA EN 1-6 TS 97 FL XEA EN 3-6
Installation :	Door-leaf fixing, push side according to manufacturer specifications
Size :	3 - 5
Classification :	3 8 5/3 1 1 0
Manufacturing plant :	DO 2.1

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Intended use:

On fire- and/or smoke-protection doors

Essential property	Sections with requirements in EN 1155:1997/A1:2002/AC:2006	Performance of the product
Ability to release	5.1.2 Release from every angle 5.1.3 Prevention of release 5.1.4 Nominal voltage supply G- EMF 120°, G-EMF 140°, G-EMR, 5.1.5 Extern electrical connection 5.1.6 Inlet for external cable management 5.2.1 General 5.2.2 Electrical release 5.2.5 Locking angle 5.2.6 Manual engaging 5.2.7 Permanent locking 5.2.8 Overload behaviour 5.2.9 Release delay 5.2.10 Electrical power 5.2.11 Temperature rise 5.2.12 Damage 5.2.13 Suitability for fire-/smoke protection doors	Passed (Size 3-5) Passed (Size 3-5) 24 V/ DC or 48 V/DC; Residual ripple 30 % Passed 24 V/ DC; Residual ripple 30 % Passed Passed Passed Passed Passed (Size 3-5) Passed (Size 3-5) Passed (Size 3-5) Passed (Size 3-5) Passed (Size 3-5) No performance declared Passed Passed (Size 3-5) Passed (Size 3-5) Class 1: Passed
Durability of the ability to release	5.2.4 Durability 5.2.14 Corrosion resistance EMF 5.2.14.1 5.2.14.2 5.2.14.3 EMR 5.2.14.1 5.2.14.2 5.2.14.3	Class 8 (500 000 Cycles) Passed (Size 3-5) Class 4 (240h): Passed Class 4 (240h): Passed Class 4 (240h): Passed No requirement Class 0 No requirement Class 0 No requirement Class 0
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	TS 92 B XEA EN 1-4 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 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 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Class 4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Not applicable Not applicable Not applicable Passed (Size 1-4) Not applicable Class 1: Passed
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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Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	TS 98 XEA EN 1-6 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 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 1-6) Passed (Size 1-6) Passed (Size 1-6) Passed (Size 1-6) Passed (Class 4) Passed (Size 1-6) Passed (Size 1-6) Passed (Size 1-6) Passed (Size 1-6) Passed (Size 1-6) Passed (Size 1-6) Passed (Size 1-6) Passed (Size 1-6) Not applicable Class 1: Passed
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.

Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	TS 92 G XEA EN 1-4 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 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 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Class 3) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Passed (Size 1-4) Not applicable Not applicable Not applicable Not applicable Passed (Size 1-4) Not applicable Class 1: Passed
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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Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	TS 97 FL XEA 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 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 3-6) passed (Size 3-6) passed (Size 3-6) passed (Size 3-6) passed (Class 3) passed (Size 3-6) passed (Size 3-6) passed (Size 3-6) passed (Size 3-6) not applicable not applicable passed (Size 3-6) not applicable Class 1: passed
Durability of self-closing	5.2.2 Durability TS 97 FL XEA 5.2.17.1 Corrosion resistance 5.2.17.2 Corrosion resistance 5.2.17.3 Corrosion resistance	Passed Class 8 (500 000 Cycles) (Size 3- 6) Class 4 (240h): passed Class 4 (240h): passed Class 4 (240h): passed
Dangerous substances	Anhang ZA.3	The manufacturer has not declared any dangerous substances.

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List of Products

Type :	„G 96 EMF“
Description :	In door frame integrated hold open device with slide channel arm assembly.
Arm system :	Slide channel arm assembly
Used door closers:	ITS 96 EN 2-4 ITS 96 EN 3-6 ITS 96 FL
Installation :	Fixing in the frame according to manufacturer specifications
Size :	3 - 5
Classification :	3 8 5/3 1 1 3
Manufacturing plant :	DO 2.1
Hint:	

Essential property	Sections with requirements in EN 1155:1997/A1:2002/AC:2006	Performance of the product
Ability to release	G 96 EMF 5.1.2 Release from every angle 5.1.3 Preventing the release 5.1.4 Voltage supply 5.1.5 Extern electrical connection 5.1.6 Inlet for external cable management 5.2.1 General 5.2.2 Electrical release 5.2.5 Hold open angle 5.2.6 Manual disengagement 5.2.7 Continuous hold open 5.2.8 Overload behaviour 5.2.9 Shutter release delay 5.2.10 Electrical power 5.2.11 Temperature increase 5.2.12 Damage 5.2.13 Suitability for fire / smoke protection doors	Passed (Size 3-5) Passed 24 V/ DC; Residual ripple 30 % Passed Passed Passed Passed Passed (Size 3-5) Passed (Size 3-5) Passed (Size 3-5) Passed (Size 3-5) Passed (Size 3-5) No performance declared Passed Passed (Size 3-5) Passed (Size 3-5) Class 1:Passed
Durability of the ability to release	5.2.4 Durability 5.2.14 Corrosion resistance 5.2.14.1 5.2.14.2 5.2.14.3	Class 8 (500000 cycles) Passed (Size 3-5) Class 3 (96h):Passed Class 3 (96h):Passed Class 3 (96h):Passed
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances

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Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	ITS 96 FL 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 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 Closing time delay 5.2.15 Adjustable closing force 5.2.16 Play in zero position 5.2.18 Suitability for fire-/ smoke protection doors	Passed Passed (Size 3-6) Passed (Size 3-6) Passed (Size 3-6) Passed Passed (Class 3)* ¹⁾ Passed Passed Passed Passed (Size 3-6) Not applicable Not applicable Passed (Size 3-6) Not applicable Class 1:Passed
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 (500000 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

*¹⁾ opening limitation is required

Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	ITS 96 EN 2-4 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 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 2-4) Passed (Size 2-4) Passed (Size 2-4) Passed (Size 2-4) Passed (Class 3)* ¹⁾ Passed (Size 2-4) Passed (Size 2-4) Passed (Size 2-4) Passed (Size 2-4) Passed (Size 2-4) Passed (Size 2-4) Not applicable Not applicable Passed (Size 2-4) 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.

*¹⁾ opening limitation is required

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Essential property	Sections with requirements in EN 1154:1996/A1:2002/AC:2006	Performance of the product
Self-closing	ITS 96 EN 3-6 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 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 3-6) Passed (Size 3-6) Passed (Size 3-6) Passed (Size 3-6) Passed (Class 3) ^{*1)} Passed (Size 3-6) Passed (Size 3-6) Passed (Size 3-6) Passed (Size 3-6) Not applicable Not applicable Passed (Size 3-6) 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.

^{*1)} opening limitation is required