

**DORMA GmbH & Co. KG**  
**DORMA Platz 1**  
**58256 Ennepetal**  
**Germany**

als verantwortlicher Hersteller der / as the manufacturer responsible for the / in qualità di responsabile produttore del

**Elektrisch betriebene Feststellvorrichtungen für Drehflügeltüren**  
**Electrically powered hold open devices for swing doors**  
**dispositivo di fermo elettromeccanico per porte a battente**

**DORMA EMF - Feststellvorrichtungen für Gleitschienentürschließer**  
**EG Konformitätszertifikat: 0432 – BPR - 0025**

erklärt hiermit die Übereinstimmung, der oben aufgeführten Produkte/Systeme mit den zutreffenden Anforderungen über die Sicherheitsziele folgender Richtlinie des Rates zur Angleichung der Rechtsvorschriften der Mitgliedstaaten der EG /

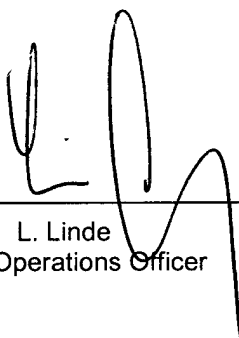
hereby confirms that products/systems corresponding to the above type of construction comply with all the essential health and safety requirements applying to them as pursuant to the European Council Directive on the Approximation of the Laws of the Member States, and specifically with the following European Council Directives /

Con la presente si certifica che i prodotti/sistemi sopra menzionati sono conformi a tutte le caratteristiche di salute e igiene richieste dal Consiglio di Direzione Europeo in base alle leggi in vigore degli Stati membri e in particolare con le Direttive del Consiglio Europeo:

- |                                     |                    |  |
|-------------------------------------|--------------------|--|
| <input type="checkbox"/>            | 73/23/EWG/EEC/CEE  | Niederspannungsrichtlinie / Low voltage directive / Directive basse tension                          |
| <input checked="" type="checkbox"/> | 89/106/EWG/EEC/CEE | Bauprodukte / Building products / Prodotti da costruzione  |
| <input checked="" type="checkbox"/> | 89/336/EWG/EEC/CEE | Elektromagnetische Verträglichkeit / Electromagnetic compatibility / Compatibilité électromagnétique |
| <input type="checkbox"/>            | 98/37/EG           | Maschinenrichtlinie / Machinery directive / Directive machine  |

Es wurden die produktrelevanten Abschnitte der folgenden Normen und Bestimmungen angewandt / In view of the relevant paragraphs for our product, this declaration is based on the following applied standards / Con riferimento ai paragrafi delle normative applicabili ai prodotti sopraelencati, questa dichiarazione si applica specificatamente ai seguenti standard evidenziati:

- |   |                                     |              |                          |                  |                                     |         |
|---|-------------------------------------|--------------|--------------------------|------------------|-------------------------------------|---------|
| Harmonisierte europäische Norm /<br>Harmonized European standards /<br>Norma Europea armonizzata: | <input type="checkbox"/>            | EN 292-2     | <input type="checkbox"/> | EN 61000 - 6 - 2 | <input type="checkbox"/>            | EN 1154 |
|   | <input type="checkbox"/>            | EN 294       | <input type="checkbox"/> | EN 55014         | <input checked="" type="checkbox"/> | EN 1155 |
|   | <input checked="" type="checkbox"/> | EN 50081 - 1 | <input type="checkbox"/> | EN 55022         | <input type="checkbox"/>            | EN 1158 |
|   | <input type="checkbox"/>            | EN 50081 - 2 | <input type="checkbox"/> | EN 60335 - 1     | <input type="checkbox"/>            | EN 1125 |
|   | <input type="checkbox"/>            | EN 50082 - 1 | <input type="checkbox"/> | EN 60950 - 1     | <input type="checkbox"/>            | EN 179  |
|   | <input checked="" type="checkbox"/> | EN 50082 - 2 | <input type="checkbox"/> |                  | <input type="checkbox"/>            |         |

  
\_\_\_\_\_  
L. Linde  
Chief Operations Officer



Ennepetal, 24.06.2010

**FIXING INSTRUCTIONS**
**Technical Data EMF**

Operating voltage:	24 V DC
Power input:	1,4 W
Rated for continuous duty:	100 % ED
Release torque:	approx. 25 - 65 Nm at an opening angle of 90° (dependent upon the strength setting of the door closer)

Door opening angle: max. 120°  
 The unit is controlled by an external smoke detector.

**1a Installation on the pull side (hinge side)**

Drill fixing points for closer and slide channel using template **TS 93 B** or as per dimensioned drawing. For electro-mechanical hold-open, wire in power supply from the smoke detector.

**1b Installation on the push side (opposite hinge side)**

A separate approval certificate may be required in conjunction with the fire/smoke door concerned ( e.g. where DIN standards apply) – check local regulations. Drill fixing points for closer and slide channel using template **TS 93 G** or as per dimensioned drawing. For electro-mechanical hold-open, wire in power supply from the smoke detector.

- 2** Install door closer and arm as specified in the fixing instructions for the TS 93. Lead the 24 DC cable through the end cap ①②③. Insert end cap in the slide channel ④. Fix the side channel ⑤. Connect cable and stow in the hollow chamber of the slide channel ⑥. Connect the arm and slide shoe of the slide channel as per TS 93 instructions, and adjust door closer settings.

- 3 Setting the hold-open point:**  
 Switch on power supply (24 V DC). Open door leaf and engage hold-open. Loosen screws. Open door to required hold-open angle and secure in this position. Re-tighten screws.



**The door cannot be opened beyond the holdopen point; fix a door stop at this position.**

- 4 Setting the pull-off force:**  
 Adjust the pull-off force to suit the door width and size of door closer. EN 1155 states that the release torque at 90° door opening angle should be between 40 and 120 Nm.




**If the pull-off force is set too high, damage might occur at the hinges and the fixings of the door closer system.**

- 5** Clip on end cap trims. Break out marked recess in the cover and clip cover into position.


**Functional checks:**

Open the door and engage hold-open. Interrupt the power supply and ensure that the hold-open mechanism releases the door.

**FINAL INSPECTION AND MAINTENANCE**

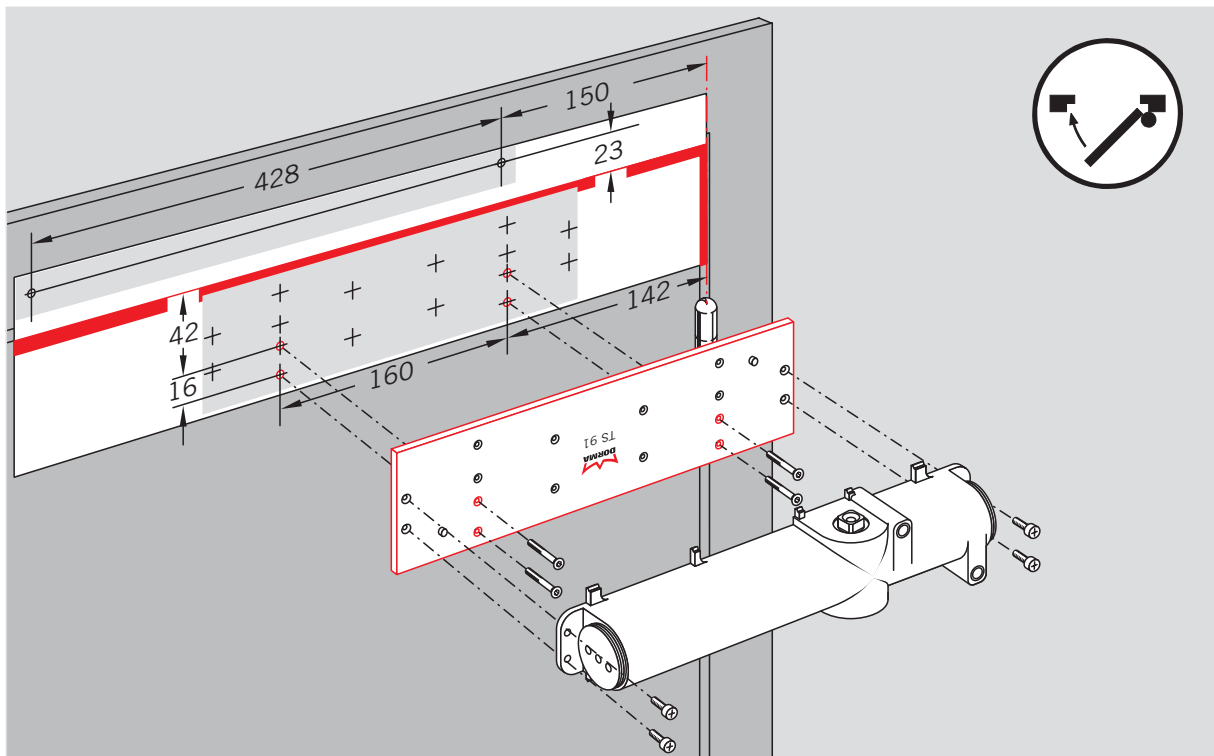
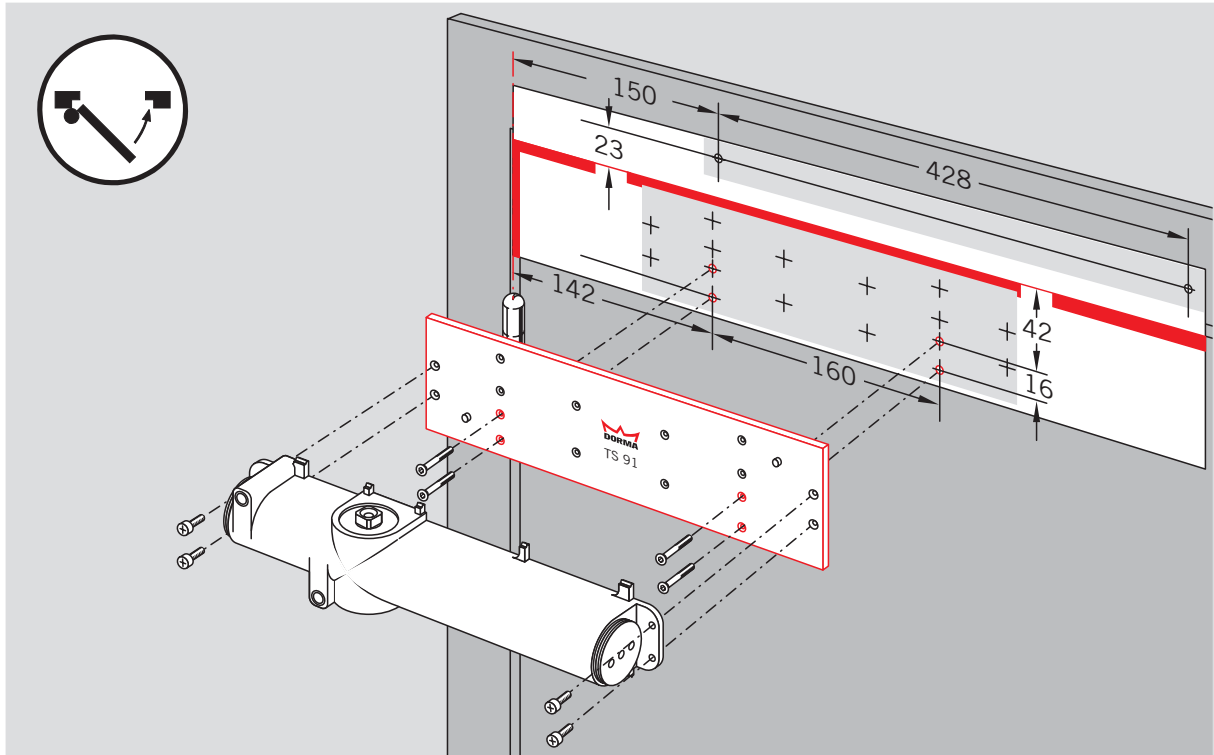
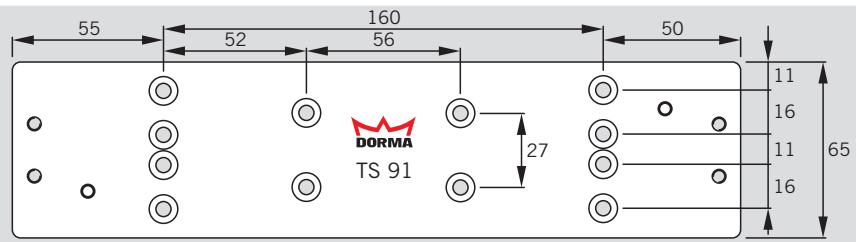
 See instruction sheet relating to the use and application of hold-open device systems.<sup>1)</sup>

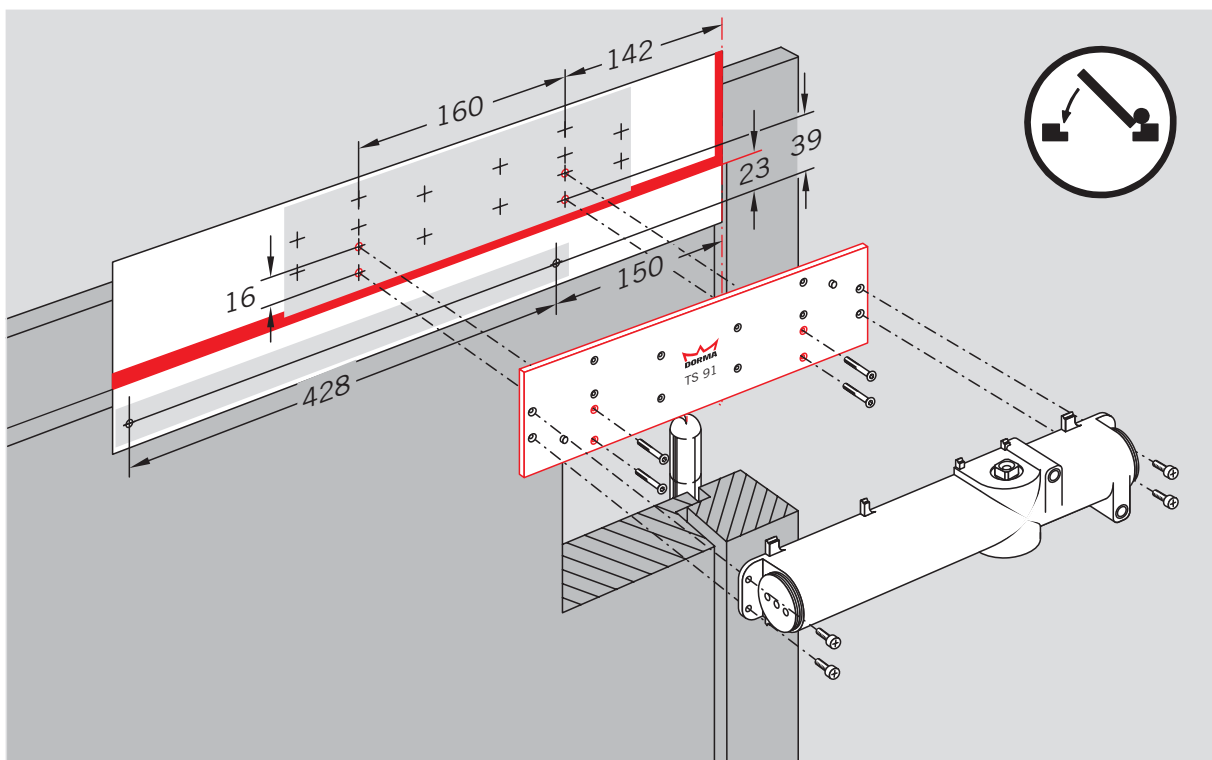
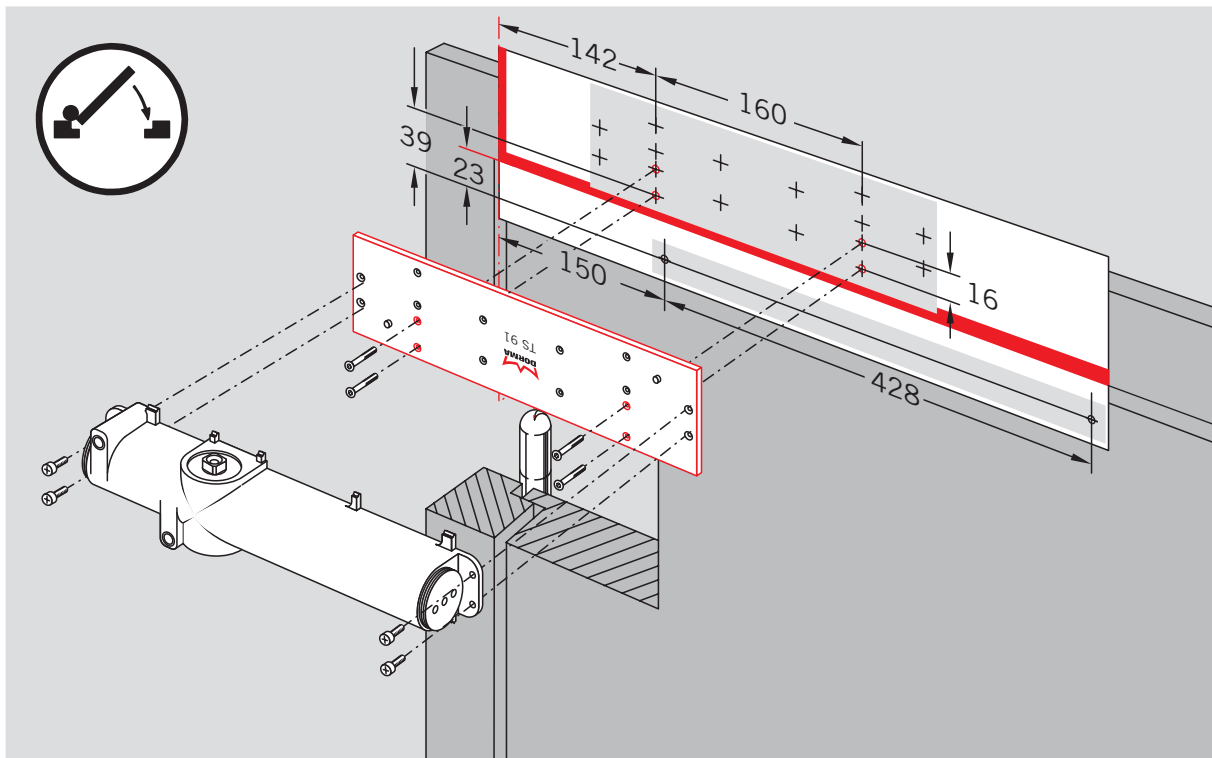
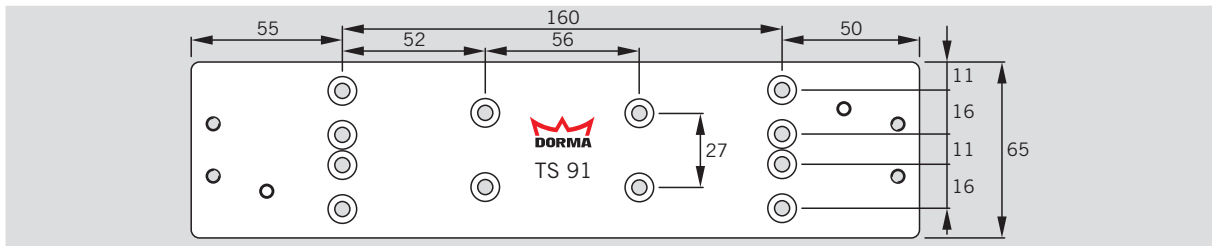
**FURTHER INFORMATION**

 See instruction sheets relating to the use and application of hold-open systems<sup>1)</sup>. See guidelines for hold-open systems<sup>1)</sup> published by the Institute for Building Technology, Berlin, or equivalent national guidelines.

<sup>1)</sup> Some documents are only printed in German as they refer exclusively to the German market.

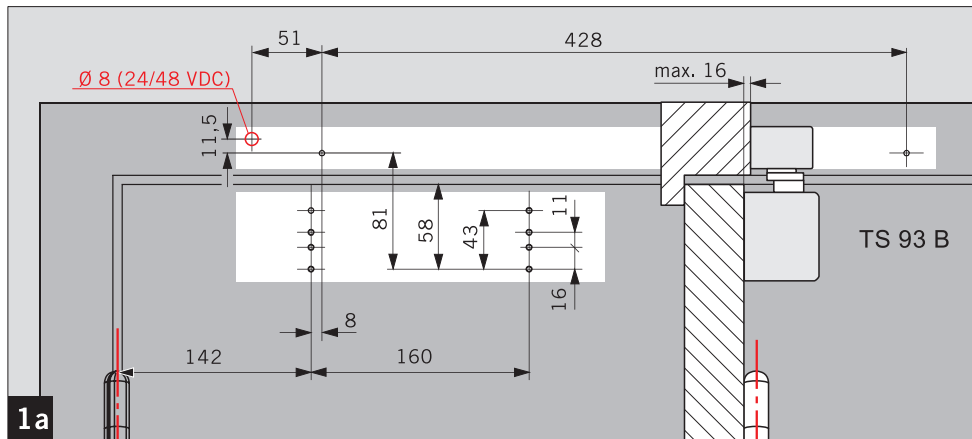
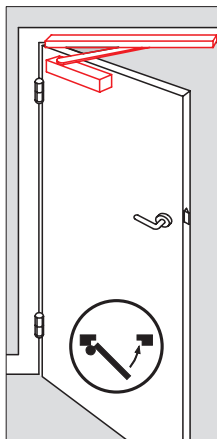
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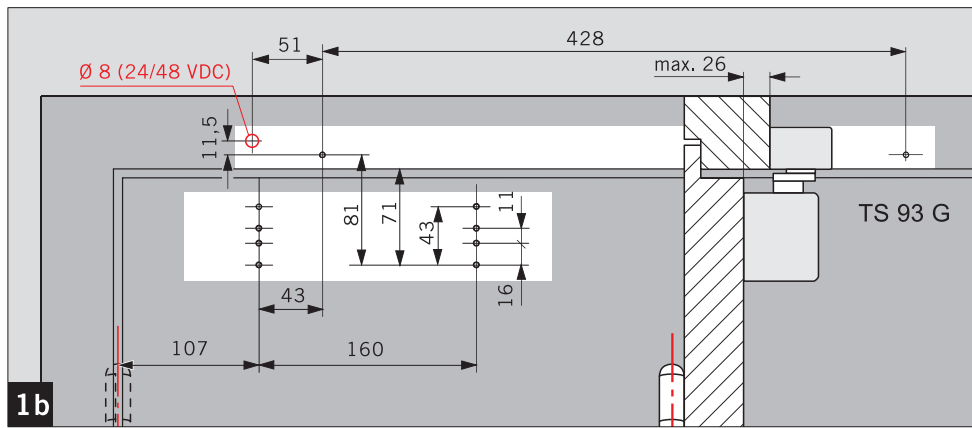
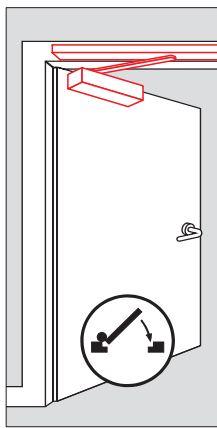


Änderungen vorbehalten

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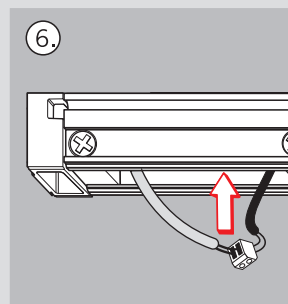
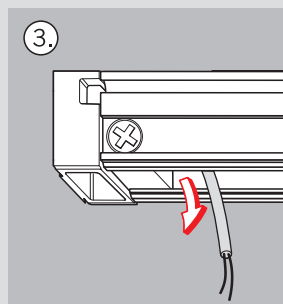
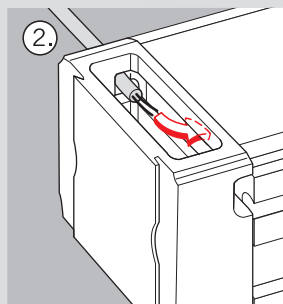
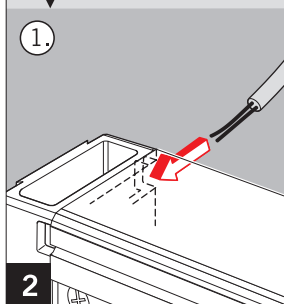
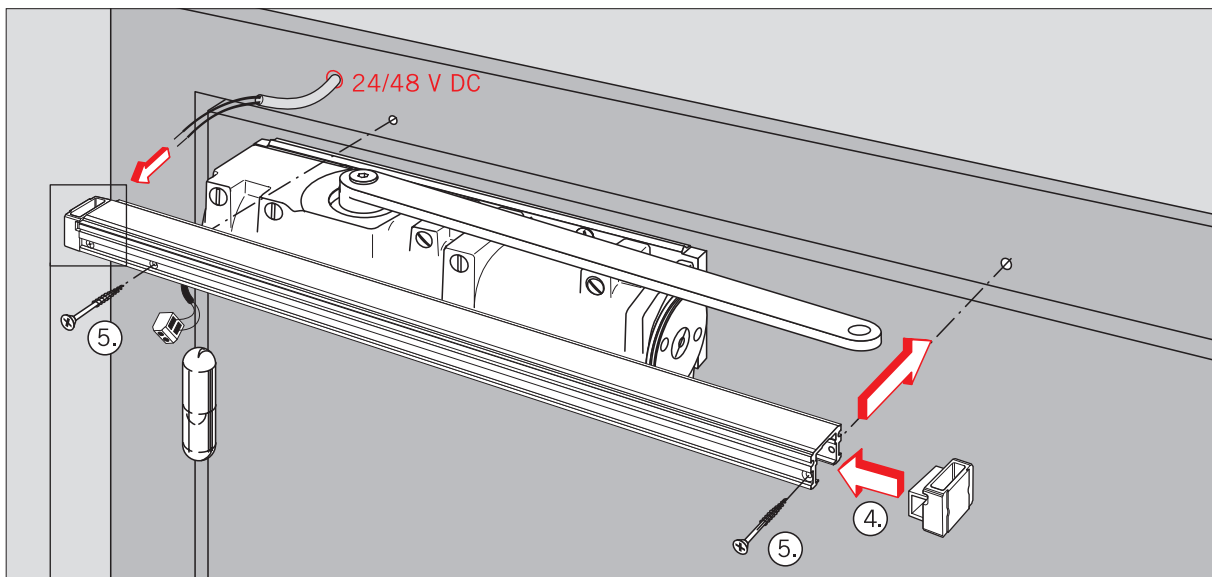


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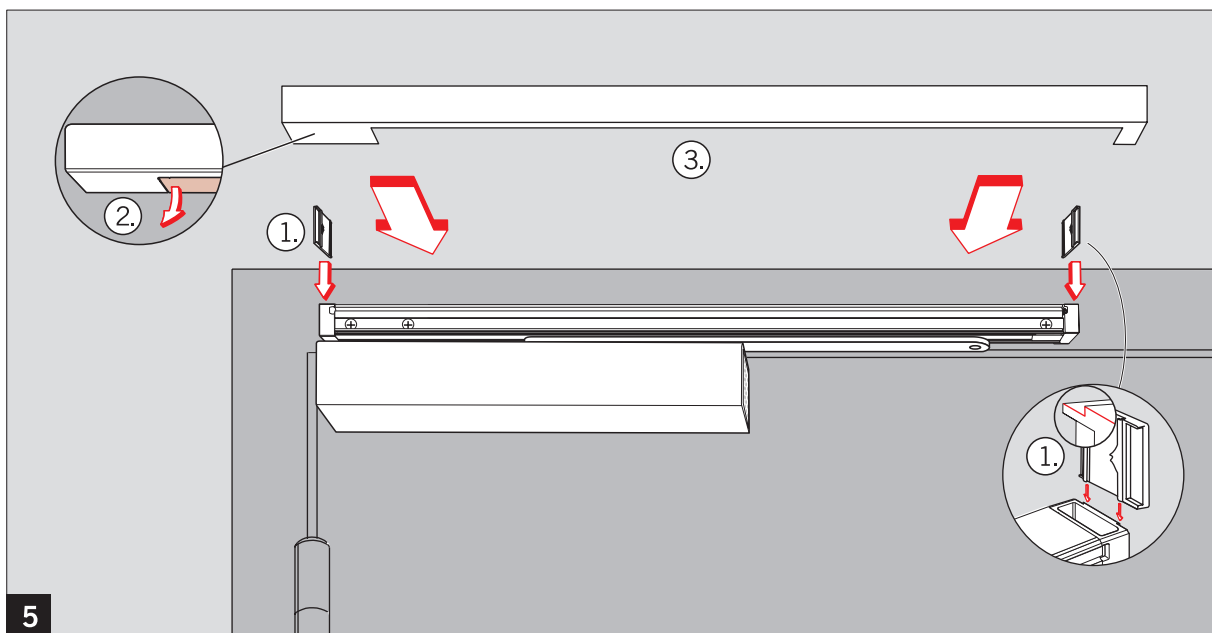
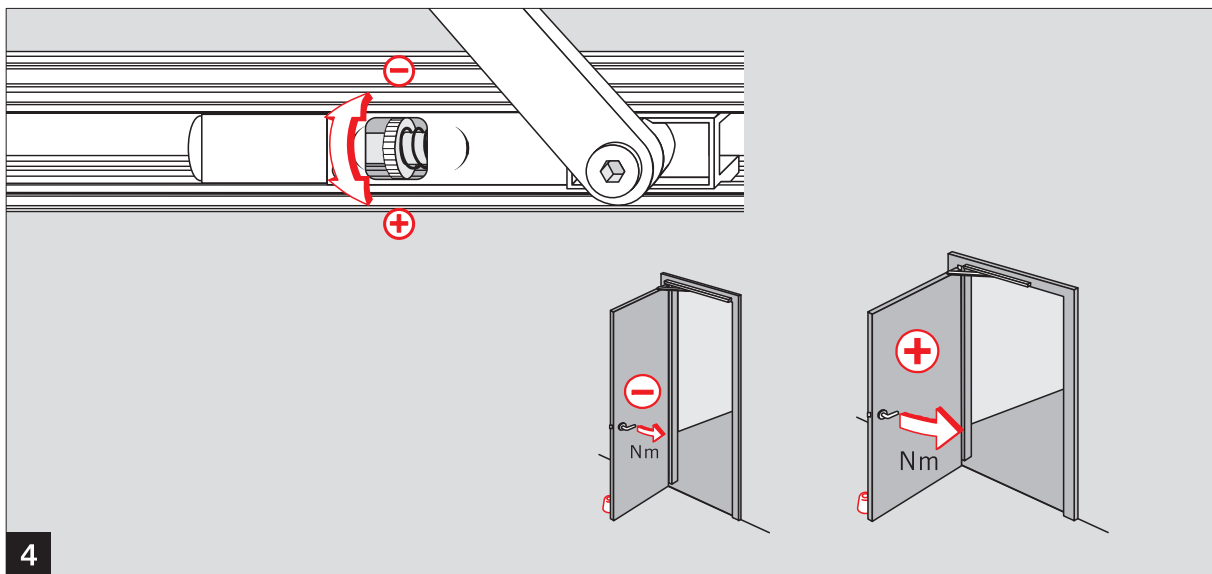
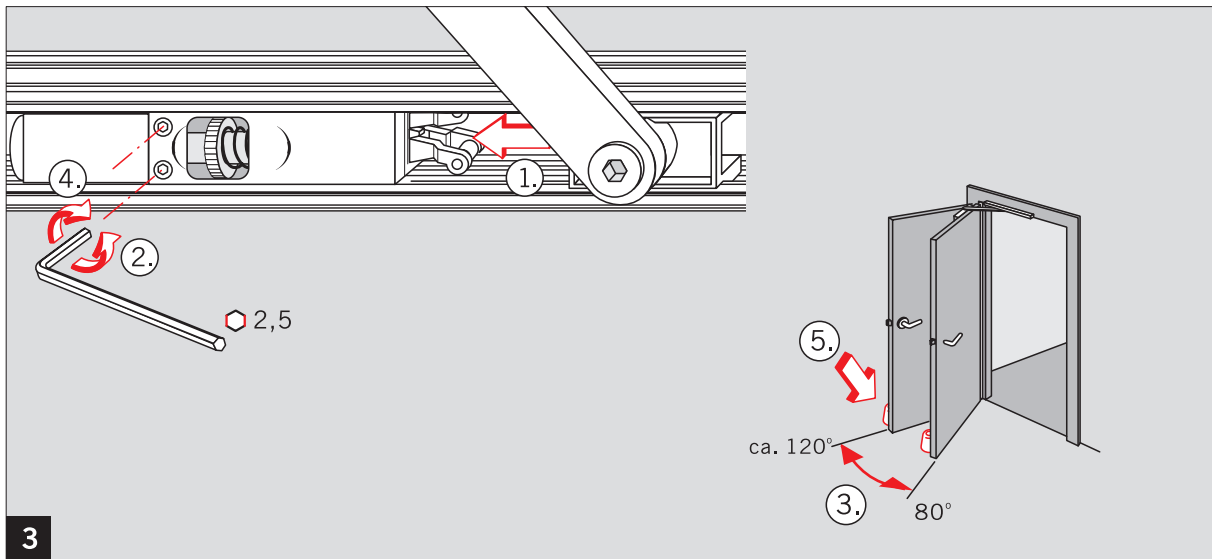


1b

CE	DORMA GmbH + Co. KG Postfach 4009 58 247 Ennepetal	0432 - BPR 0025	EN 1155:1997+A1:2002	3	8	3-5	1	1	3
				04	1	1	3		
Dangerous substances: None									



2



Änderungen vorbehalten  
Subject to change without notice

# LEISTUNGSERKLÄRUNG DECLARATION OF PERFORMANCE



DOP\_0073

## EU Nr. 305/2011 Leistungserklärung de

Elektrisch betriebene Feststellvorrichtungen für Drehflügel Türen: **DORMA G EMF**

Vorgesehener Verwendungszweck des Bauprodukts gemäß der anwendbaren harmonisierten technischen Spezifikation: An Feuer- und Rauchschutztüren zur Erfüllung der Anforderung der Fähigkeit auszulösen

Hersteller: DORMA GmbH + Co. KG - DORMA Platz 1 - 58256 Ennepetal

System zur Bewertung und Überprüfung der Leistungsbeständigkeit gemäß EU Nr. 305/2011 Anhang V: System 1.

Die notifizierte Stelle MPA NRW 0432 hat die Bewertung und Überprüfung der Leistungsbeständigkeit nach System 1 gemäß EU Nr. 305/2011 Anhang V vorgenommen und das Konformitätszertifikat ausgestellt: 0432-BPR-0025.

Die Leistung des Produkts entspricht der erklärten Leistung. Verantwortlich für die Erstellung dieser Leistungserklärung ist allein der Hersteller.

## EU Nr. 305/2011 Declaration of Performance en

Electrically powered hold open devices for swing doors: **DORMA G EMF**

Intended use of the construction product in accordance with the applicable harmonized technical specification: On fire and smoke compartmentation doors to fulfil the self closing requirements of such doors.

Manufacturer: DORMA GmbH + Co. KG - DORMA Platz 1 - 58256 Ennepetal

System of assessment and verification of constancy of performance of the construction product as set out in EU Nr.305/2011 Annex V: System 1

The notified body MPA NRW 0432 performed the assessment and verification of constancy of performance in accordance with System 1 as set out in EU Nr. 305/2011 Annex V and issued the certificate(s) of conformity: 0432-BPR-0025.

The performance of the product is in conformity with the declared performance. The declaration of performance is issued under the sole responsibility of the manufacturer.

## N° UE 305/2011 Déclaration des performances fr

Dispositifs de retenue électromagnétique pour portes battantes : **DORMA G EMF**

Utilisation prévue du produit du bâtiment conformément à la spécification technique harmonisée applicable: Sur les portes de compartimentation du feu/fumées (pour satisfaire à l'exigence de capacité au déclenchement (verrouillage))

Fabricant : DORMA GmbH + Co. KG - DORMA Platz 1 - 58256 Ennepetal

Système d'évaluation et de vérification de constance des performances conformément au Règlement du Parlement Européen n° 305/2011 Annexe V : Système 1.

L'organisme notifié MPA NRW 0432 a effectué l'évaluation et la vérification de constance des performances conformément aux exigences du Système 1 selon le Règlement du Parlement Européen n° 305/2011 Annexe V et a établi le/les certificats de conformité: 0432-BPR-0025.

Les performances du produit correspondent aux performances déclarées. La déclaration de performances relève de la seule responsabilité du fabricant.

# LEISTUNGSERKLÄRUNG DECLARATION OF PERFORMANCE



## Erklärte Leistung

Wesentliche Merkmale	Leistung	Harmonisierte technische Spezifikation
Fähigkeit auszulösen	<ul style="list-style-type: none"> <li>▪ Anwendungsklasse 3</li> <li>▪ Feststellungsgröße EN3-5</li> <li>▪ Anwendbarkeit an Feuer- u. Rauchschutztüren Klasse 1</li> <li>▪ Sicherheit Klasse 1</li> </ul>	EN1155:1997 + A1:2002
Dauerfunktion der Fähigkeit auszulösen	<ul style="list-style-type: none"> <li>▪ Dauerfunktion 500000 Zyklen Klasse 8</li> <li>▪ Hohe Korrosionsbeständigkeit Klasse 3</li> </ul>	
Gefährliche Substanzen	<ul style="list-style-type: none"> <li>▪ Besonders besorgniserregende Stoffe &lt; Grenzwerte</li> </ul>	

## Declared performance

Essential characteristic	Performance	Harmonised technical specification
Ability to release	<ul style="list-style-type: none"> <li>▪ Category of use grade 3</li> <li>▪ Hold-open power size EN3-5</li> <li>▪ Suitability for fire/smoke door use grade1</li> <li>▪ Safety grade 1</li> </ul>	EN1155:1997 + A1:2002
Durability of ability to release	<ul style="list-style-type: none"> <li>▪ Durability 500000 cycles grade 8</li> <li>▪ High corrosion resistance grade 3</li> </ul>	
Dangerous substances	<ul style="list-style-type: none"> <li>▪ Substances of very high concern &lt; threshold values</li> </ul>	

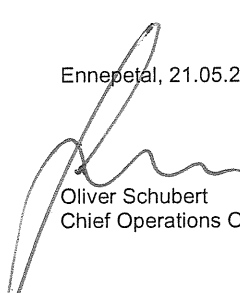
## Expression des performances

Essentiel caractéristique	Performances	Norme européenne harmonisée
Capacité au déclenchement (déverrouillage)	<ul style="list-style-type: none"> <li>▪ Catégorie d'utilisation grade 3</li> <li>▪ Dispositifs de fermeture de porte avec amortissement (ferme-porte) EN3-5</li> <li>▪ Aptitude pour une utilisation sur des blocs-portes résistant au feu et/ou étanches aux fumées grade 1</li> <li>▪ Sécurité grade 1</li> </ul>	EN1155:1997 + A1:2002
Endurance	<ul style="list-style-type: none"> <li>▪ Endurance 500000 cycles d'essai grade 8</li> <li>▪ Résistance élevée à la corrosion grade 3</li> </ul>	
Substances dangereuses	<ul style="list-style-type: none"> <li>▪ Substances extrêmement préoccupantes &lt; valeurs limites</li> </ul>	

Unterzeichnet für den Hersteller und im Namen des Herstellers / Signed for and on behalf of the manufacturer by /

Signé pour le fabricant et en son nom par

Ennepetal, 21.05.2013

  
 Oliver Schubert  
 Chief Operations Officer