

Materialprüfungsamt Nordrhein-Westfalen

Prüfen • Überwachen • Zertifizieren

Certificate of constancy of performance**0432-CPR-00099-09**

Version 01

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

ECO TS-31, ECO TS-33, ECO TS-41

Door Closer with a controlled closing-sequence for single- and double leaf doors in accordance with the combination and classification in Annex 2

placed on the market under the name or trade mark of

ECO SCHULTE GmbH & Co. KG

Iserlohner Landstraße 89
58706 Menden, Germany

and produced in the manufacturing plant(s)

DO 2.32

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 27.10.2017 and will remain valid until 27.10.2022 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 27th October 2017

By order


Penning

Deputy Head of Certification Body

This Certificate consists of 1 page and 2 annex(es).

The original of this document was issued in German language.

In case of doubt only the German version is valid.

Manufacturing Plant

Product	Manufacturing Plant
Door Closer with slide channel arm assembly	ECO Schulte Door Technology Zhuhai Co. Ltd. No.31, Zhuhai Free trade Zone 519030 Zhuhai, Guangdong People's Republic of China DO2.32

List of Products

Type:	„ECO TS-31“
Description:	Hydraulic door closer with controlled closing sequence with or without back check
Arm system:	slide channel arm assembly (shot and long)
Installation:	Door-leaf fixing, pull side in accordance with manufacturer specification (standard installation) Door-leaf fixing, push side in accordance with manufacturer specification Frame fixing, pull side in accordance with manufacturer specification Frame fixing, push side in accordance with manufacturer specification
Size:	1-3
Classification:	Door-leaf fixing, pull side 4 8 1-3 1 1 3 Door-leaf fixing, push side 3 8 1-3 1 1 3 Frame fixing, pull side 4 8 1-3 1 1 3 Frame fixing, push side 3 8 1-3 1 1 3
Manufacturing Plant:	DO 2.32
Remarks:	Optionally with or without mounting plate

Intended Use:

On single- and double leaf fire- and smoke protection doors

<i>Essential properties</i>	<i>Clauses with requirements in EN 1154:1996/A1:2002/AC:2006</i>	<i>Performance of the product</i>
<i>Self-closing</i>	5.2.1 <i>general</i> 5.2.3 <i>closing torque</i> 5.2.4 <i>opening torque</i> 5.2.5 <i>efficiency</i> 5.2.6 <i>closing time</i> 5.2.7 <i>opening angle</i> Door-leaf fixing, pull side Door-leaf fixing, push side Frame fixing, pull side Frame fixing, push side 5.2.8 <i>overload test</i> 5.2.9 <i>temperature dependence</i> 5.2.10 <i>leakage</i> 5.2.11 <i>damage</i> 5.2.12 <i>latch regulation</i> 5.2.13 <i>back check</i> 5.2.14 <i>delayed action</i> 5.2.15 <i>adjustable force</i> 5.2.16 <i>play at zero point position</i> 5.2.18 <i>use on fire-/ smoke doors</i>	<i>passed</i> <i>passed (size 1-3)</i> <i>passed (size 1-3)</i> <i>passed (size 1-3)</i> <i>passed</i> <i>passed(class 4)</i> <i>passed(class 3)</i> <i>passed(class 4)</i> <i>passed(class 3)</i> <i>passed</i> <i>passed</i> <i>passed</i> <i>passed</i> <i>passed (size 1-3)</i> <i>not applicable</i> <i>passed (size 1-3)</i> <i>not applicable</i> <i>passed (class 1)</i>
<i>Durability</i> <i>Self-closing</i>	5.2.2 <i>durability</i> 5.2.17.1 <i>corrosion resistance</i> 5.2.17.2 <i>corrosion resistance</i> 5.2.17.3 <i>corrosion resistance</i>	<i>passed (class 8)</i> <i>passed class 3 (96h)</i> <i>passed class 3 (96h)</i> <i>passed class 3 (96h)</i>
<i>Dangerous substances</i>	<i>Annex ZA.3</i>	<i>The manufacturer has not declared any dangerous substances.</i>

List of Products

Type:	„ECO TS-33“
Description:	Hydraulic door closer with controlled closing sequence with or without back check
Arm system:	slide channel arm assembly (shot and long)
Installation:	Door-leaf fixing, pull side in accordance with manufacturer specification (standard installation) Door-leaf fixing, push side in accordance with manufacturer specification Frame fixing, pull side in accordance with manufacturer specification Frame fixing, push side in accordance with manufacturer specification
Size:	3
Classification:	Door-leaf fixing, pull side 4 8 3 1 1 3 Door-leaf fixing, push side 3 8 3 1 1 3 Frame fixing, pull side 4 8 3 1 1 3 Frame fixing, push side 3 8 3 1 1 3
Manufacturing Plant:	DO 2.32
Remarks:	Optionally with or without mounting plate

Intended Use:

On single- and double leaf fire- and smoke protection doors

<i>Essential properties</i>	<i>Clauses with requirements in EN 1154:1996/A1:2002/AC:2006</i>	<i>Performance of the product</i>
<i>Self-closing</i>	5.2.1 <i>general</i> 5.2.3 <i>closing torque</i> 5.2.4 <i>opening torque</i> 5.2.5 <i>efficiency</i> 5.2.6 <i>closing time</i> 5.2.7 <i>opening angle</i> Door-leaf fixing, pull side Door-leaf fixing, push side Frame fixing, pull side Frame fixing, push side 5.2.8 <i>overload test</i> 5.2.9 <i>temperature dependence</i> 5.2.10 <i>leakage</i> 5.2.11 <i>damage</i> 5.2.12 <i>latch regulation</i> 5.2.13 <i>back check</i> 5.2.14 <i>delayed action</i> 5.2.15 <i>adjustable force</i> 5.2.16 <i>play at zero point position</i> 5.2.18 <i>use on fire-/ smoke doors</i>	<i>passed</i> <i>passed (size 3)</i> <i>passed (size 3)</i> <i>passed (size 3)</i> <i>passed</i> <i>passed(class 4)</i> <i>passed(class 3)</i> <i>passed(class 4)</i> <i>passed(class 3)</i> <i>passed</i> <i>passed</i> <i>passed</i> <i>passed</i> <i>passed (size 3)</i> <i>not applicable</i> <i>passed (size 3)</i> <i>not applicable</i> <i>passed(class 1)</i>
<i>Durability</i> <i>Self-closing</i>	5.2.2 <i>durability</i> 5.2.17.1 <i>corrosion resistance</i> 5.2.17.2 <i>corrosion resistance</i> 5.2.17.3 <i>corrosion resistance</i>	<i>passed (class 8)</i> <i>passed class 3 (96h)</i> <i>passed class 3 (96h)</i> <i>passed class 3 (96h)</i>
<i>Dangerous substances</i>	Annex ZA.3	<i>The manufacturer has not declared any dangerous substances.</i>

List of Products

Type:	„ECO TS-41“
Description:	Hydraulic door closer with controlled closing sequence with or without back check
Arm system:	slide channel arm assembly (shot and long)
Installation:	Door-leaf fixing, pull side in accordance with manufacturer specification (standard installation) Door-leaf fixing, push side in accordance with manufacturer specification Frame fixing, pull side in accordance with manufacturer specification Frame fixing, push side in accordance with manufacturer specification
Size:	1-4
Classification:	Door-leaf fixing, pull side 4 8 1-4 1 1 3 Door-leaf fixing, push side 3 8 1-4 1 1 3 Frame fixing, pull side 4 8 1-4 1 1 3 Frame fixing, push side 3 8 1-4 1 1 3
Manufacturing Plant:	DO 2.32
Remarks:	Optionally with or without mounting plate

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Intended Use:

On single- and double leaf fire- and smoke protection doors

<i>Essential properties</i>	<i>Clauses with requirements in EN 1154:1996/A1:2002/AC:2006</i>	<i>Performance of the product</i>
<i>Self-closing</i>	5.2.1 <i>general</i> 5.2.3 <i>closing torque</i> 5.2.4 <i>opening torque</i> 5.2.5 <i>efficiency</i> 5.2.6 <i>closing time</i> 5.2.7 <i>opening angle</i> Door-leaf fixing, pull side Door-leaf fixing, push side Frame fixing, pull side Frame fixing, push side 5.2.8 <i>overload test</i> 5.2.9 <i>temperature dependence</i> 5.2.10 <i>leakage</i> 5.2.11 <i>damage</i> 5.2.12 <i>latch regulation</i> 5.2.13 <i>back check</i> 5.2.14 <i>delayed action</i> 5.2.15 <i>adjustable force</i> 5.2.16 <i>play at zero point position</i> 5.2.18 <i>use on fire-/ smoke doors</i>	passed passed (size 1-4) passed (size 1-4) passed (size 1-4) passed passed(class 4) passed(class 3) passed(class 4) passed(class 3) passed passed passed passed passed (size 1-4) not applicable passed (size 1-4) not applicable passed(class 1)
Durability Self-closing	5.2.2 <i>durability</i> 5.2.17.1 <i>corrosion resistance</i> 5.2.17.2 <i>corrosion resistance</i> 5.2.17.3 <i>corrosion resistance</i>	passed (class 8) passed class 3 (240h) passed class 3 (240h) passed class 3 (240h)
<i>Dangerous substances</i>	Annex ZA.3	<i>The manufacturer has not declared any dangerous substances.</i>