

**Materialprüfungsamt Nordrhein-Westfalen**

Prüfen · Überwachen · Zertifizieren

**Certificate of constancy of performance****0432-CPR-00099-10**

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

**ECO TS-14EN, TS-20, ECO TS-50**

Door Closer with a controlled closing-sequence for single- and double leaf doors in accordance with the combination and classification in Annex 1

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 27.10.2027 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 November 2022



By order

Dipl.-Ing. (FH) T. Wilms

Head of Certification Body Department 2230.2

This Certificate consists of 1 page and 1 annex.

This Certificate replaces the Certificate no. 0432-CPR-00099-10 dated 28.11.2018, Version 02.

The original of this document was issued in German language.

In case of doubt only the German version is valid.

# Materialprüfungsamt Nordrhein-Westfalen

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## List of Products

|                             |  |
|-----------------------------|--|
| <b>Type:</b>                | “ECO TS-14 EN“   |
| <b>Description:</b>         | Hydraulic door closer with controlled closing sequence   |
| <b>Arm system:</b>          | standard arm assembly  |
| <b>Installation:</b>        | Door-leaf fixing, pull side in accordance with manufacturer specification (standard installation)<br>Frame fixing, push side in accordance with manufacturer specification |
| <b>Size:</b>                | 2/3/4  |
| <b>Classification:</b>      | Door-leaf fixing, pull side (standard installation)<br>4 8 2/3/4 1 1 3<br>Frame fixing, push side<br>3 8 2/3/4 1 1 3   |
| <b>Manufacturing Plant:</b> | DO 2.32  |
| <b>Remarks:</b>             | Closing force adjustment via change of position. Optionally with and without mounting plate  |

### Intended use:

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

| Essential properties       | Clauses with requirements in EN 1154:1996/A1:2002/AC:2006  | Performance of the product  |
|----------------------------|--|---|
| Self-closing               | 5.2.1 general<br>5.2.3 closing torque<br>5.2.4 opening torque<br>5.2.5 efficiency<br>5.2.6 closing time<br>5.2.7 opening angle<br>Door-leaf fixing, pull side<br>Frame fixing, push side<br>5.2.8 overload test<br>5.2.9 temperature dependence<br>5.2.10 leakage<br>5.2.11 damage<br>5.2.12 latch regulation<br>5.2.13 back check<br>5.2.14 delayed action<br>5.2.15 adjustable force<br>5.2.16 play at zero point position<br>5.2.18 use on fire-/ smoke doors | passed<br>passed (size 2/3/4)<br>passed (size 2/3/4)<br>passed (size 2/3/4)<br>passed (size 2/3/4)<br>class 4: passed<br>class 3: passed<br>passed (size 2/3/4)<br>passed (size 2/3/4)<br>passed (size 2/3/4)<br>passed (size 2/3/4)<br>passed (size 2/3/4)<br>not applicable<br>not applicable<br>passed (size 2/3/4)<br>not applicable<br>class 1: passed |
| Durability<br>Self-closing | 5.2.2 durability<br>5.2.17.1 corrosion resistance<br>5.2.17.2 corrosion resistance<br>5.2.17.3 corrosion resistance  | class 8 (500 000 cycles): passed<br>class 3 (96h): passed<br>class 3 (96h): passed<br>class 3 (96h): passed   |
| Dangerous substances       | Annex ZA.3   | The manufacturer has not declared any dangerous substances.   |

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|                             |  |
|-----------------------------|--|
| <b>Type:</b>                | “ECO TS-20“  |
| <b>Description:</b>         | Hydraulic door closer with controlled closing sequence and back check  |
| <b>Arm system:</b>          | standard arm assembly  |
| <b>Installation:</b>        | Door-leaf fixing, pull side in accordance with manufacturer specification (standard installation)<br>Frame fixing, push side in accordance with manufacturer specification |
| <b>Size:</b>                | 2/3/5  |
| <b>Classification:</b>      | Door-leaf fixing, pull side (standard installation)<br>4 8 2/3/5 1 1 3<br>Frame fixing, push side<br>3 8 2/3/5 1 1 3   |
| <b>Manufacturing Plant:</b> | DO 2.32  |
| <b>Remarks:</b>             | Closing force adjustment via change of position. Optionally with and without mounting plate  |

## Intended use:

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

| Essential properties       | Clauses with requirements in EN 1154:1996/A1:2002/AC:2006  | Performance of the product   |
|----------------------------|--|--|
| Self-closing               | 5.2.1 general<br>5.2.3 closing torque<br>5.2.4 opening torque<br>5.2.5 efficiency<br>5.2.6 closing time<br>5.2.7 opening angle<br>Door-leaf fixing, pull side<br>Frame fixing, push side<br>5.2.8 overload test<br>5.2.9 temperature dependence<br>5.2.10 leakage<br>5.2.11 damage<br>5.2.12 latch regulation<br>5.2.13 back check<br>5.2.14 delayed action<br>5.2.15 adjustable force<br>5.2.16 play at zero point position<br>5.2.18 use on fire-/ smoke doors | passed<br>passed (size 2/3/5)<br>passed (size 2/3/5)<br>passed (size 2/3/5)<br>passed (size 2/3/5)<br><br>class 4: passed<br>class 3: passed<br>passed (size 2/3/5)<br>passed (size 2/3/5)<br>passed (size 2/3/5)<br>passed (size 2/3/5)<br>passed (size 2/3/5)<br>passed (size 2/3/5)<br>not applicable<br>passed (size 2/3/5)<br>not applicable<br>class 1: passed |
| Durability<br>Self-closing | 5.2.2 durability<br>5.2.17.1 corrosion resistance<br>5.2.17.2 corrosion resistance<br>5.2.17.3 corrosion resistance  | class 8 (500 000 cycles): passed<br>class 3 (96h): passed<br>class 3 (96h): passed<br>class 3 (96h): passed  |
| Dangerous substances       | Annex ZA.3   | The manufacturer has not declared any dangerous substances.  |

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|                             |   |
|-----------------------------|---|
| <b>Type:</b>                | “ECO TS-50 EN 1-5”  |
| <b>Description:</b>         | Hydraulic door closer with controlled closing sequence and back check   |
| <b>Arm system:</b>          | standard arm assembly   |
| <b>Installation:</b>        | Door-leaf fixing, pull side in accordance with manufacturer specification<br>(standard installation)<br>Frame fixing, push side in accordance with manufacturer specification |
| <b>Size:</b>                | 1 - 5   |
| <b>Classification:</b>      | Door-leaf fixing, pull side (standard installation)<br>4 8 1-5 1 1 3<br>Frame fixing, push side<br>3 8 1-5 1 1 3  |
| <b>Manufacturing Plant:</b> | DO 2.32   |
| <b>Remarks:</b>             | Optionally with and without mounting plate  |

### Intended use:

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

| Essential properties       | Clauses with requirements in EN 1154:1996/A1:2002/AC:2006  | Performance of the product   |
|----------------------------|--|--|
| Self-closing               | 5.2.1 general<br>5.2.3 closing torque<br>5.2.4 opening torque<br>5.2.5 efficiency<br>5.2.6 closing time<br>5.2.7 opening angle<br>Door-leaf fixing, pull side<br>Frame fixing, push side<br>5.2.8 overload test<br>5.2.9 temperature dependence<br>5.2.10 leakage<br>5.2.11 damage<br>5.2.12 latch regulation<br>5.2.13 back check<br>5.2.14 delayed action<br>5.2.15 adjustable force<br>5.2.16 play at zero point position<br>5.2.18 use on fire-/ smoke doors | passed<br>passed (size 1-5)<br>passed (size 1-5)<br>passed (size 1-5)<br>passed (size 1-5)<br><br>class 4: passed<br>class 3: passed<br>passed (size 1-5)<br>passed (size 1-5)<br>passed (size 1-5)<br>passed (size 1-5)<br>passed (size 1-5)<br>passed (size 1-5)<br>not applicable<br>passed (size 1-5)<br>not applicable<br>class 1: passed |
| Durability<br>Self-closing | 5.2.2 durability<br>5.2.17.1 corrosion resistance<br>5.2.17.2 corrosion resistance<br>5.2.17.3 corrosion resistance  | class 8 (500 000 cycles): passed<br>class 3 (96h): passed<br>class 3 (96h): passed<br>class 3 (96h): passed  |
| Dangerous substances       | Annex ZA.3   | The manufacturer has not declared any dangerous substances.  |

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|                             |  |
|-----------------------------|--|
| <b>Type:</b>                | “ECO TS-50 EN 2-6“   |
| <b>Description:</b>         | Hydraulic door closer with controlled closing sequence and back check  |
| <b>Arm system:</b>          | standard arm assembly  |
| <b>Installation:</b>        | Door-leaf fixing, pull side in accordance with manufacturer specification (standard installation)<br>Frame fixing, push side in accordance with manufacturer specification |
| <b>Size:</b>                | 2 - 6  |
| <b>Classification:</b>      | Door-leaf fixing, pull side (standard installation)<br>4 8 2-6 1 1 4<br>Frame fixing, push side<br>3 8 2-6 1 1 4   |
| <b>Manufacturing Plant:</b> | DO 2.32  |
| <b>Remarks:</b>             | Optionally with and without mounting plate   |

## Intended use:

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

| Essential properties       | Clauses with requirements in EN 1154:1996/A1:2002/AC:2006  | Performance of the product  |
|----------------------------|--|---|
| Self-closing               | 5.2.1 general<br>5.2.3 closing torque<br>5.2.4 opening torque<br>5.2.5 efficiency<br>5.2.6 closing time<br>5.2.7 opening angle<br>Door-leaf fixing, pull side<br>Frame fixing, push side<br>5.2.8 overload test<br>5.2.9 temperature dependence<br>5.2.10 leakage<br>5.2.11 damage<br>5.2.12 latch regulation<br>5.2.13 back check<br>5.2.14 delayed action<br>5.2.15 adjustable force<br>5.2.16 play at zero point position<br>5.2.18 use on fire-/ smoke doors | passed<br>passed (size 2-6)<br>passed (size 2-6)<br>passed (size 2-6)<br>passed (size 2-6)<br><br>class 4: passed<br>class 3: passed<br>passed (size 2-6)<br>passed (size 2-6)<br>passed (size 2-6)<br>passed (size 2-6)<br>passed (size 2-6)<br>passed (size 2-6)<br>passed (size 2-6)<br>not applicable<br>passed (size 2-6)<br>not applicable<br>class 1: passed |
| Durability<br>Self-closing | 5.2.2 durability<br>5.2.17.1 corrosion resistance<br>5.2.17.2 corrosion resistance<br>5.2.17.3 corrosion resistance  | class 8 (500 000 cycles): passed<br>class 4 (240h): passed<br>class 4 (240h): passed<br>class 4 (240h): passed  |
| Dangerous substances       | Annex ZA.3   | The manufacturer has not declared any dangerous substances.   |