

## Type examination certificate

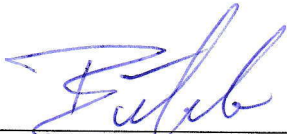
**Certificate number:** TÜV-TH-0090-NBM-2019-1002  
**Registration number:** MRL-3230/0002-19  
**Manufacturer:** ECO Schulte GmbH & Co. KG  
Iserlohner Landstraße 89  
D-58706 Menden  
**Production site:** Works 1  
**Product:** power-operated automatic drive for a swing door  
**Type:** ETS 42  
**Description:** power-operated automatic door drive to be installed at/attached to a single or double-leaf swing door  
**Product type:** incomplete machine according to Directive 2006/42/EC  
**Technical data:** see Annex 1  
**Certification body:** TÜV Thüringen e.V., Konrad-Zuse-Straße 21, 99099 Erfurt  
**Test(s) based on:** EN 16005: 2024-08  
DIN EN 60335-1: 2024-07  
DIN EN 60335-2-103: 2016-05  
**Validity:** June 30, 2030  
**Test report number:** PB-MRL-3230/0002-19

The certification body of TÜV Thüringen e.V. hereby confirms that the fundamental safety and health requirements concerning the design and construction of machinery pursuant to Annex I of Directive 2006/42/EC have been met.

The detailed results of the test are documented in the test report. The test report must only be published, or passed on to any third party, if approved so by the certification body.

This document replaces the type examination certificate dated June 24, 2025.

Arnstadt, July 23, 2025  
Place & date

  
Certification body for machinery  
The Manager

This type examination certificate refers only to the design and construction of the described product in accordance with Directive 2006/42/EC. Further requirements of the Directive that are not covered by this certificate will have to be satisfied for the production of the (complete) machines and for putting them on the market. This certificate merely confirms the result of a one-time examination of the test sample submitted for the test. It does not represent a generally valid judgment about the properties of the products from ongoing production. This certificate is not valid for products that deviate from the limits of the described test sample. A new or additional examination may be required, if the test specifications change. The certificate's date of validity as stated above will automatically become invalid, even if the products referred to herein have not changed. This test certificate does not entitle the holder to display a test mark or logo of TÜV Thüringen e.V.

## Technical data

Drive:	standard
Power transmission:	standard arm assembly sliding rods
Mounting types:	<ul style="list-style-type: none"><li>- lintel mounting<ul style="list-style-type: none"><li>- standard arm assembly on opposite hinge side</li><li>- sliding rods on opposite hinge side</li><li>- sliding rods on hinge side</li></ul></li><li>- door leaf mounting<ul style="list-style-type: none"><li>- standard arm assembly on hinge side</li><li>- sliding rods on opposite hinge side</li><li>- sliding rods on hinge side</li></ul></li></ul>
Application areas of the door closer size according to EN 1154:	standard arm assembly: 2 – 5 / sliding rods: 2 - 4
Hardware:	HW: 45-350-520/00
Software status:	SW: 01.07.08
Drive dimensions:	height 70 mm width 730 mm depth 125 mm
Weight of the drive:	8.2 kg
Ambient temperature:	-15...+50 °C
To be used in dry rooms only:	maximum relative humidity 85 %
Degree of protection:	IP20
Operating voltage:	230 VAC (+10/-15 %), 50 Hz
Power supply on site:	230 VAC (+10/-15 %), 50 Hz, 10/13 A
Power consumption of the drive:	max. 350 W
Rated motor output:	100 W
Power supply for external consumers:	24 VDC (±10 %), 1.4 A
Torque of output shaft:	56 Nm permanently 165 Nm max.
Lintel depth:	standard arm assembly max. 250 mm sliding rods: zi -50/+150 mm dr-50/+150 mm
Door leaf opening angle:	max. 105°
Door leaf weight:	max. 150 kg
Door leaf width:	730...1 250 mm (lintel mounting) 800...1 250 mm (door leaf mounting) see section "Application limits"
Opening speed:	adjustable between 2.4...20 s (max. 40°/s)
Closing speed:	adjustable between 2.4...20 s (max. 40°/s)
Sure-shut (slam) function (currentless):	≈10...15° not adjustable
Motor damping (currentless) for the slam function:	infinitely adjustable (potentiometer)
Hold-open time:	0...60 s
Hold-open time during night:	0...180 s
Fatigue strength:	2 000 000 cycles
Operating modes:	<ul style="list-style-type: none"><li>- automatic</li><li>- open</li><li>- exit</li><li>- low energy operation</li><li>- manual</li><li>- night</li><li>- push and go</li><li>- servo operation</li></ul>
Safeguarding danger points:	<ul style="list-style-type: none"><li>- static and dynamic force limitation (to be set and measured on site)</li><li>- low energy</li><li>- contactless safeguarding of danger points:<ul style="list-style-type: none"><li>- 4SAFE ON SW</li><li>- LZR®-FLATSCAN SW / LTR-Flatscan 3D</li><li>- DoorScan -1P/2P/4P-1200/1600</li><li>- OA -EDGE T</li></ul></li></ul>

## **Operating conditions:**

Before installing a swing door drive a hazard analysis and a risk assessment are required for the door system concerned. The automatic swing door drive must then be equipped with the necessary sensors in accordance with the results of the hazard analysis and the risk assessment. Measures taken thereafter must also ensure that automatic swing door does not pose a risk for the user.

The swing door drive must only be used for the door leaf weights admissible in the application range as well as for the permitted mounting options and operating modes.

The above listed sensors are to be used for safeguarding danger points, with the application limits according to the manufacturer's specification to be observed.

The following technical documents, also those supplementing them, are to be supplied with each swing door:

- template for an on-site risk analysis,
- installation and operating instructions, an operating manual with
  - safety instructions,
  - information about the intended use,
  - installation and commissioning instructions,
  - a functional description of the system,
  - the terminal diagram (electrical documentation)
  - trouble-shooting and maintenance information
  - an inspection log book with details about tests and their deadlines
- a copy of this certificate.

Before putting the automatic swing door drive into operation, an inspection by an expert and a written record of the test result are required.

Any recurrent tests and inspections must be based on the statutory regulations valid at the installation site. The manufacturer's instructions as regards maintenance and inspections deadlines are to be observed.

## **Please note:**

Proving the suitability of the swing door drive of type „ETS 42“ for being installed at fire and smoke protection doors or as hold-open system has not been subject of the test. These performance characteristics must be proved by separate approvals/type approvals issued by the construction supervision authorities.