



Product Service

Technical Report No. 713227956-100

Rev. 00

Dated 2021.11.03

Client: **Gotthard 3 Mechatronic Solutions AG**
Gotthardstrasse 3
5630 Muri, Switzerland

Manufacturer: **Antrimon Group AG**
Gotthardstrasse 3
5630 Muri, Switzerland

Factory: **Antrimon Group AG**
Gotthardstrasse 3
5630 Muri, Switzerland

Test subject: Product: Automatic door drives

Test specification: EN 16005:2012/AC:2015
EN 60335-1:2012/A14:2019
EN 60335-2-103:2015

EN ISO 13849-1:2015
DIN EN 16034:2014
Additional Information:
The product meets the requirements of DIN 18650-1:2010 and DIN 18650-2:2010.
The product meets the requirements of EN 16034:2014 „fire resistance characteristics” with the classification C5* for the self closing according EN 13501-2. * tested with 500'000 cycles. When installing all requirements of mentioned test specification(s) and conditions of acceptability must be fulfilled.

The results recorded in the fire test test report can be transferred to constructions that are similar to the tested construction without additional assessment. The tested adapter plate can be used on already tested fire protection doors to mount the smartdoor TURN on the hole pattern of the tested door closer

Purpose of examination: Test according to the test specification.

Test result: The test results show that the presented product is in compliance with the specified requirements.



1 Description of the test subject

1.1 Function

Drive units for automation of swing (scissor- or sliding- linkage) doorsets which will not be used in escape routes.

1.2 Consideration of the foreseeable misuse

- Covered through the applied risk analysis

1.3 Technical Data

Elektrische Daten		
	AC Version	DC Version
Anzahl Motoren	1	1
Nennspannung	100 - 240 Vac	22 – 28 Vdc
Nennfrequenz	50 / 60 Hz	-
Nennaufnahme	41 W	41 W
Schutzart	IP20	IP20
Schutzklasse	I	III
Art des Anschlusses	Festanschluss	Festanschluss
Umgebungstemperatur	-15 °C bis +50 °C	-15 °C bis +50 °C

Türantrieb		smartdoor TURN T100
Zu verwendende Türbauart	Drehflügeltüren	
Einsatz in Rettungswegen	Einsatz an Flucht- und Rettungswegen und an Brandschutztüren	
Gestängearten:	Gleitgestänge und Scherengestänge	
Bemessungslast	Max. 30 Nm	
Türflügelmasse (max.)	Scherengestänge: 120 kg Gleitgestänge: 100 kg	
Steuerungseinheit		
Hardware-Version	Hardware Version – V5 Antrimon Group AG	
Software-Version	Software Version – V03.02.02 Antrimon Group AG	
Performance Level	c	
Kategorie	2	

Klassifizierungscode nach DIN 18650-1		
Ziffer	Angabe	Bedeutung
erste	1	Drehflügeltürantrieb
zweite	2	500.000 Prüfzyklen, bei mindesten 2.400 Zyklen/24 h
dritte	1	Drehflügeltür
vierte	2	Geeignet als Brandschutztür
fünfte	1	1: Kraftbegrenzung
	2	2: Anschluss an externe Sicherheitssysteme
	3	3: Niedrigenergie
sechste	0	Keine besonderen Anforderungen

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siebte		Muss vom Errichter der Anlage definiert und gekennzeichnet werden.
achte	2	-15 °C bis +50 °C

2 Condition of acceptability:

- The equipment shall be supplied with the specified rated voltages according to the user manual.
- The equipment fulfils the requirements of the tested standards only, if it is operated according to the user manual.
- The equipment fulfils the requirements of the tested standards only, if it is operated with a certified overcurrent protection device according to the manual and the tested standards.
- The disconnection device for the equipment is part of the end application and has to fulfil the requirements of the tested standards.

3 Order

3.1 Date of Purchase Order

Angebot 5548435 vom 2021.09.13

3.2 Receipt of Test Sample, Location

2021.09.29 – 2021.10.01 (documentation only), Ridlerstrasse 65, 80339 Munich

3.3 Date of Testing

2021.10.08 until 2021.10.26 and 2021.11.03

3.4 Location of Testing

TÜV SÜD Product Service GmbH
Ridlerstrasse 65, 80339 Munich, Germany (only documentation)

4 Test Results

4.1 Positive Test Results

- Electrical safety
- Mechanical safety
- Functional safety

5 General Remarks and Remarks to Factory

5.1 Remark to user manual



Product Service

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

In many countries, instructions and equipment marking related to safety are required to be in a language that is acceptable in the country in which the equipment is to be installed.

5.2 Remarks to Factory (necessary if a factory inspection is required by the applied scheme, e.g. ProdSG, CBFCS etc.)

The assembly of the product has to comply with the documentation (CDF). Before the implementation of safety relevant modifications to the product into the ongoing production the product must be retested for assessment. The results must be implemented to the documentation and if necessary the certificate must be updated.

The final inspections in the production are described in the IEC / EN 60335-1, Annex A.

6 Documentation

713227956-100 TRF including national differences and photo documentation, dtd. on 2021.11.03.

TÜV SÜD Product Service GmbH

Technical Report checked

A handwritten signature in blue ink, appearing to read 'Schäfer'.

Artur Schäfer
PS-COM-ITL-M

TÜV SÜD Product Service GmbH

Engineer

A handwritten signature in blue ink, appearing to read 'Alaa Biadse'.

Alaa Biadse
PS-COM-ITL-M