



CERTIFICATE

No. Z2B 015347 0530 Rev. 00

Holder of Certificate: **TORMAX**
A Division of LANDERT Group AG
Unterweg 14
8180 Bülach
SWITZERLAND

Certification Mark:



Product: **Automatic Door Systems and Drives for
Escape Routes and Emergency Exits**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 713300820

Valid until: 2029-07-09

Date, 2024-08-23

(Benedikt Pulver)

CERTIFICATE

No. Z2B 015347 0530 Rev. 00

Model(s):

Automatic door system
TORMAX T2 Door Systems
TORMAX iMotion 2252.A-R Sliding Door
TORMAX iMotion 2352.R Sliding Door
TORMAX iMotion 2352.R-HB Sliding Door
TORMAX iMotion 2451.FRW Sliding Door

Automatic door drive
TORMAX T2 Door Drives
TORMAX iMotion 2202.A-R Sliding Door Drive
TORMAX iMotion 2302.R Sliding Door Drive
TORMAX iMotion 2302.R-HB Sliding Door Drive
TORMAX iMotion 2401.FRW Sliding Door Drive

Brand Name:

TORMAX

Parameters:

see next pages

**Tested
according to:**

EN 16005:2012/AC:2015
EN 60335-1:2012/A16:2023
EN IEC 60335-2-103:2023/A11:2023
EN ISO 13849-1:2015

CERTIFICATE

No. Z2B 015347 0530 Rev. 00

Technical Data:

Sliding Door System	TORMAX iMotion 2252.A-R	TORMAX iMotion 2352.R TORMAX iMotion 2352.R-HB	TORMAX iMotion 2451.FRW
Sliding Door Drive	TORMAX iMotion 2202.A-R	TORMAX iMotion 2302.R TORMAX iMotion 2302.R-HB	TORMAX iMotion 2401.FRW
Application Door type / Profile type	Standard, curved or telescopic sliding doors in escape and rescue routes / TORMAX T2 contour escape: LR12, LR22B, LR22B.BO¹, LR22B.BO¹, LR22B.BO¹, LR32THERM Third party / additional door leaf systems / profile systems with appropriate stability		
No. of door leaves	1, 2, 2 (Telescopic) ,4 (Telescopic)		
Number of possible door leaves and door leaf weights			
EB	2x100 kg	2x130 kg	2x220 kg
ER / EL	1x120 kg	1x150 kg	1x200 kg
TR / TL	2x60 kg	2 x 120 kg	2x120 kg
TB	4x60 kg	4 x 100 kg	4x100 kg
Rated force			
Max. Force	Max. 260 N	Max. 250 N	Max. 400 N
Velocity			
Opening movement	5 – 100 cm/s		
Closing movement	5 – 80 cm/s		
Control unit			
Name	MCU32-BASE-40-120-A; TID: 420472		MCU32-BASE-40-200-A; TID 407556
Firmware version	V10.50		
Performance level	d		
Category	2		
Electrical ratings			
No. of motors	2	2	1 + elastic cord
Rated voltage	230 V	230 V	230 / 115 V
Rated frequency	50-60 Hz	50-60 Hz	50-60 Hz
Rated current	1 A	1 A	1,6 / 3,2 A
Rated power input	190 W	190 W	310 W
Classification	I		
Environmental conditions			
Degree of protection	IP20		
Ambient temperature	-15 °C to +50 °C		
¹ Only standard sliding doors			

Performance:

Door drives	Endurance EN 16005 Tested cycles
TORMAX iMotion 2202.A-R Sliding Door Drive TORMAX iMotion 2302.R Sliding Door Drive TORMAX iMotion 2302.R-HB Sliding Door Drive TORMAX iMotion 2401.FRW Sliding Door	Min. 1.000.000 cycles at 4000 cycles/day
Door leaf types / Profile types	Endurance EN 16005 Tested cycles
T2 contour escape: LR 22B.BO, LR 22B.PBO, LR 22B.RBO	Min. 2'500 break out cycles

CERTIFICATE

No. Z2B 015347 0530 Rev. 00

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.

Supplemented Standards:

The product meets the requirements of DIN 18650-1:2010, DIN 18650-2:2010 and AutSchR:1997.

Classification table according to DIN 18650-1:

Classification DIN18650-1	TORMAX iMotion 2252.A-R Sliding Door TORMAX iMotion 2352.R Sliding Door TORMAX iMotion 2352.R-HB Sliding Door TORMAX iMotion 2451.FRW Sliding Door	
Figure	Number	
1	2	Sliding door system
2	3	1.000.000 cycles at 4000 cycles/day
3	2	Sliding door
4	0	No protection against fire
5	1	Force limitation
	2	External safety device
6	2	In escape routes without break out
7	1	Compliance with the safety distances
	2	With finger protection
	4	With presence sensor
8	2	-15°C to +50°C

The classification is given on the nameplate. For drive units the empty spaces should be filled in by the installer of the system after installation.