



Product Service

CERTIFICATE

No. Z2B 015347 0518 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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 713149102

Valid until: 2026-02-17

Date, 2021-02-25

(Benedikt Pulver)

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Model(s):

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

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:

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
Door type	Sliding doors, Curved Sliding Doors, Telescopic Sliding Doors		
Application	Sliding doors that are used in escape and rescue routes		
Profile types	LR12, LR22B, LR32THERM		
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 load		
	Max. 260 N	Max. 250 N	Max. 400 N
	Velocities		
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 / 3,2A
Rated power input	190 W	190 W	310 W
Classification	I	I	I
	Environmental conditions		
Degree of protection	IP20	IP20	IP20
Ambient temperature	-15 °C bis +50 °C		

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Additional Information:

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

When installing all requirements of the mentioned test specification(s) and conditional of acceptability must be fulfilled.

Classification table according to DIN18650-1:

Classification DIN18650-1	TORMAX iMotion 2202.A-R TORMAX iMotion 2302.R TORMAX iMotion 2302.R-HB TORMAX iMotion 2401.FRW	
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 2	Force limitation External safety device
6	2	In escape routes without break out
7	1 2 4	Compliance with the safety distances With finger protection 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.

Tested according to:

EN 16005:2012/AC:2015
 EN 60335-1:2012/A14:2019
 EN 60335-2-103:2015
 EN ISO 13849-1:2015