



CERTIFICATE

No. Z2B 015347 0529 Rev. 00

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

Certification Mark:



Product: **Power operated sliding doors**

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.: 713300818

Valid until: 2029-05-23

Date, 2024-06-21

(Benedikt Pulver)



Product Service

CERTIFICATE

No. Z2B 015347 0529 Rev. 00

Model(s):

Automatic door system
 TORMAX T2 Door Systems
 TORMAX 2151 Sliding Door
 TORMAX 2151.IP68 Sliding Door
 TORMAX 2253 Sliding Door
 TORMAX 2253.HB Sliding Door

Automatic door drive
 TORMAX T2 Door Drives
 TORMAX 2101 Sliding Door Drive
 TORMAX 2101.IP68 Sliding Door Drive
 TORMAX 2203 Sliding Door Drive
 TORMAX 2203.HB Sliding Door Drive
 TORMAX 2203.UL Sliding Door Drive
 TORMAX 2203.HB-UL 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 0529 Rev. 00

Technical Data:

Sliding Door System	TORMAX 2151		TORMAX 2151.IP68	
Sliding Door Drive	TORMAX 2101		TORMAX 2101.IP68	
Application Door type / Profile type	Standard or curved sliding doors: TORMAX T2 contour: LR12, LR22B, LR22B.PBO, LR32THERM			
	Standard sliding doors in escape routes with pivot fitting: TORMAX T2 contour escape: TORMAX LR22B.BO, TORMAX LR22B.RBO			
	Third party / additional door leaf systems / profile systems with appropriate stability			
No. of door leaves	1, 2			
Number of possible door leaves and door leaf weights				
	<i>Trolley with 1 roller¹</i>	<i>Trolley with 2 rollers</i>	<i>Trolley with 1 roller</i>	<i>Trolley with 2 rollers</i>
EB	2x70 kg	2x100 kg	-	2x100 kg
ER / EL	1x70 kg	1x100 kg	-	1x100 kg
Velocities				
	<i>Door weight ≤ 2x70 kg/100 kg</i>	<i>Door weight > 2x70 kg</i>	<i>Door weight ≤ 2x70 kg/100 kg</i>	<i>Door weight > 2x70 kg</i>
Opening movement	2 – 70 cm/s	2 – 50 cm/s	2 – 70 cm/s	2 – 50 cm/s
Closing movement	2 – 33 cm/s			
Control unit				
Name	MCU42-BDM-B; TID: 420194			
Firmware Version	V03.00			
Performance Level	d			
Category	2			
Electrical ratings				
No. of motors	1			
Rated voltage	230 V	230 V/115 V	230 V	
Rated frequency	50-60 Hz			
Rated current	0.95 A	0.95 A / 1.9 A	0.95 A	
Rated power input	190 W			
Classification	I			
Environmental conditions				
Degree of protection	IP20		IP65 / IP68	
Ambient temperature	-20 °C bis +50 °C			

¹ Not to be used with TORMAX LR 22B.BO

CERTIFICATE

No. Z2B 015347 0529 Rev. 00

Sliding Door System	TORMAX 2253	TORMAX 2253.HB	-	-
Sliding Door Drive	TORMAX 2203	TORMAX 2203.HB	TORMAX 2203.UL	TORMAX 2203.HB-UL
Application Door type / Profile type	Standard, curved or telescopic sliding doors: TORMAX T2 contour: LR12, LR22B, LR22B.PBO, LR32THERM Standard sliding doors in escape routes with pivot fitting / TORMAX T2 contour escape: LR22B.BO, LR22B.RBO Third party / additional door leaf systems / profile systems with appropriate stability		Standard sliding door drives / -	
No. of door leaves	1, 2, 2 (Telescopic) ,4 (Telescopic)			
Number of possible door leaves and door leaf weights				
EB	2x120 kg			
ER / EL	1x130 kg			
TB	4x80 kg			
TR / TL	2x80 kg			
Velocities				
Opening movement	10 – 80 cm/s			
Closing movement	10 – 80 cm/s			
Control unit				
Name	MCU42-BDM-F; TID: 504849			
Firmware Version	V02.24			
Performance Level	c			
Category	2			
Electrical ratings				
No. of motors	1			
Rated voltage	230 V / 115 V			
Rated frequency	50-60 Hz			
Rated current	1.1 A / 2.2 A			
Rated power input	230 W			
Classification	I			
Environmental conditions				
Degree of protection	IP20			
Ambient temperature	-20 °C bis +50 °C			

Performance:

Door drives	Endurance EN 16005 Tested cycles
2101 / 2101.IP68	Min. 1.000.000 cycles at 4000 cycles/day
2203 / 2203.HB / 2203.UL / 2203.HB-UL	Min. 2.000.000 cycles at 4000 cycles/day EB: 2x100kg / EL/ER: 1x120kg / TL/TR: 2x80kg
	Min. 1.000.000 cycles at 4000 cycles/day EB: 2x120kg / EL/ER: 1x130kg / TL/TR: 4x80kg
Door leave types / Profile types	Endurance EN 16005 Tested cycles
T2 contour escape: LR 22B.BO	Min. 2'500 break out cycles

CERTIFICATE

No. Z2B 015347 0529 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 2151 Sliding Door TORMAX 2151.IP68 Sliding Door TORMAX 2253 Sliding Door TORMAX 2253.HB 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	1	In escape routes with 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.