Technical Report No.: 704012406674-00

Date: 2024-09-19

Client:	Name:	EBCOTECH MACHINERY SDN BHD
	Address:	No. 1, Jalan Gangsa SD 5/3A, Bandar Sri Damansara,52200 Kuala Lumpur, Malaysia.
	Contact person:	Mr. CHEAH YANG CHYUAN
Manufacturer:	Name:	EBCOTECH MACHINERY SDN BHD
	Address:	No. 1, Jalan Gangsa SD 5/3A, Bandar Sri Damansara,52200 Kuala Lumpur, Malaysia.
	Contact person:	Mr. CHEAH YANG CHYUAN
Factory:	Factory number (TÜV SÜD customer No.):	127877
Test object:	Product:	Auto door control device
	Model:	GW-HH400, GW-HH350, GW-HH200A, GW-HH200B, GW-HH150, GW-HH100, GW-V50Y, GW-V50F, GW-HB220, GW-SW500
	Trade mark:	GeWalt
Test specification:	EN 16005:2012, Clause 5.8.2 Durability test under normal conditions	

Purpose of examination:

- ☐ Testing for compliance with specified requirements to assess conformity with the essential safety and health requirements of the following European Directives:
  - ☐ Low Voltage Directive 2014/35/EU
  - ☐ Machinery Directive 2006/42/EC
  - ☐ Machinery Regulation (EU) 2023/1230
  - ☐ General Product Safety Directive 2001/95/EC
  - ☐ General Product Safety Regulation (EU)2023/988
  - ☐ Radio Equipment Directive 2014/53/EU Art. 3.1(a)
  - ☐ Battery Regulation (EU) 2023/1542
- Testing and evaluation according to the test specification

Test result: The test results show that the presented product is in compliance with the above listed test specifications.

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1. Description of the test object

1.1 Picture(s)

See Appendix 2

1.2 Function

Manufacturer's specification for intended use:
Auto door control device for household and commercial use

1.3 Consideration of the foreseeable use

☐ Not applicable
☒ Covered through the applied standard
☐ Covered by the following comment*
☐ Covered by attached risk analysis
*

1.4 Technical Data

Model	GW-HH400, GW-HH350, GW-HH200A, GW-HH200B, GW-HH150, GW-HH100, GW-V50Y, GW-V50F, GW-HB220, GW-SW500
Rated Voltage (V)	220-240VAC
Rated Frequency (Hz)	50/60Hz
Rated Power (W)	N/A
Durability	2 000 000 cycle
Temperature range	25°C
Protection Class	☒ Class I; ☐ Class II; ☐ Class III
Degree of Protection	IP X0
Construction	☐ Stationary ☐ Portable ☐ Hand-held ☒ Open-frame
Supply connection	☐ Non detachable cord with plug ☐ Permanent connection to fixed wiring ☐ Appliance inlet ☒ a set of terminals allowing the connection of a flexible cord
Operation mode	☒ continuous operation; ☐ Intermittent operation; ☐ Short time operation;

2. Order

2.1 Date of Purchase Order, Customer's Reference

2024-08-07, EBCOTECH MACHINERY SDN BHD

2.2 Test Sample(s)

- Reception date(s): 2024-08-07
- Location(s) of reception: TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
  No.1999, Du Hui Road, 201108 Shanghai, P. R. China
- Condition of test sample(s): Good

2.3 Testing

- Testing date(s): 2024-08-07 to 2024-08-12
- Location(s) of testing: TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
  No.1999, Du Hui Road, 201108 Shanghai, P. R. China

2.4 Points of Non-Compliance or Exceptions of the Test Procedure

- None

3. Test Results

☒ Decision rule according to IEC Guide 115:2023, clause 4.3.3 Simple acceptance was applied.

3.1 Positive Test Results

Test specification(s)	Report no. / Rev. No.	Date	Remark
Durability test under normal conditions	704012406674-00 Rev.00	2024-09-19	EN 16005:2012 Clause 5.8

Testing and/or visual inspection items are performed on model GW-HH150, GW-HH100, GW-HB220, GW-SW500, see Appendixes for Application of co-report of main-report

3.2 Points of Non-Compliance according to the test specification

☒ None

4. Test History

Report no. / Rev. No.	Date	History
704012406674-00 Rev.00	2024-09-19	Original report

5. Remarks

5.1 General

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.

5.2 Factory surveillance cycle

Your production facility is currently on the following surveillance cycle.

☐ Annual (12 month)

☐ Bi-Annual (6 month)

☐ Quarterly (3 month)

☐ N/A

5.3 Additional information for routine tests to be performed by the factory(ies)

Routine tests for electrical appliances / equipment:

☐ Required

☒ Not Required

Reason for non-requirement:

☐ Class III product

☐ Other:

5.4 The co-license certificate application is based on the following main license certificate:

Certificate No.: N/A
Report No.: 704012081701-00

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TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
No. 151 Heng Tong Road Shanghai 200070

Tel: +86 21 6141 0123

Doc No.: ITC-TTW0902.02E - Rev. 15

License holder: 127877
Model No.: See following list
GW-HH400 is identical to HH180
GW-HH350 is identical to HH350
GW-HH200A is identical to HH200A
GW-HH200B is identical to HH200B
GW-HH150 is identical to HH130
GW-HH100 is identical to HH115
GW-V50Y is identical to V50Y
GW-V50F is identical to V50F
GW-HB220 is identical to SW100Slim
GW-SW500 is identical to SW500

6. Documentation

File	File name	Date
Data form (CDF):	N/A	

7. Summary

"The test specification(s) is (are) met"

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch

Tested by: Jie CHEN

Project Handler

Approved by: Xiongzhuang LEI

Designated Reviewer

--- End of Report ---

Appendix 1:

5.8	**Durability test**		--
5.8.1	**General**		--
	If declared, the durability of the power operated doorset shall be checked as described below.		P
	This test does not apply to a power operated doorset produced by upgrading a manually operated doorset by the subsequent addition of a drive.		P
	The durability test defined by the relevant product standard applies to manually operated doorsets.		P
	The power operated doorset shall be installed in accordance with the manufacturer's installation instructions. Lubrication and adjustments to any part may be undertaken during the test in accordance with the manufacturer's maintenance instructions.		P
	Number of test cycles performed shall be in accordance to what declared by the manufacturer as expected lifetime of the doorset in the operating instructions.		P
	Durability test shall be carried out with the following minimum number of cycles/day:		--
	– 0 to 200 000 cycles: 600 cycles/day,		N/A
	– 200 001 to 500 000 cycles: 2 400 cycles/day,		N/A
	– above 500 000 cycles: 4 000 cycles/day.	2 000 000	P
	The test specimen shall be connected to the supply voltage at all times during the test unless disconnected for safety reasons during installation or for maintenance purposes.		P
5.8.2	**Testing under normal conditions**		--
	After a conditioning period of 6 h ± 10 %, the power operated doorset shall be subjected to a durability test at ambient temperature. During the durability test, the doorset shall be operated in reverse for at least 30 % of the cycles if this type of operation is intended.		P
	In the case of revolving doorsets, the response to a signal from protective devices used to protect danger points of the doorset shall be tested during 30 % of the cycles.		N/A
	In the case of sliding doorsets without a break-out facility to be installed in escape routes and emergency exits, the doorset opening speed during the durability test shall be set in accordance with 4.7.2.3.		N/A

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Appendix 2:

Model GW-HH100



Model GW-HH150



Model GW-HB220



Model GW-SW500

