

Test Verification of Conformity

Verification Number: 2025029-SGP-VOC1

On the basis of the tests undertaken, the sample of the below product has been tested by an 3rd party laboratory in accordance to the referenced specification/standard the time the tests were carried out. This verification is part of the full test report and should be read in conjunction with them.

Applicant Name & Address:	Furutec Electrical Sdn Bhd Plot 89, Lorong Perindustrian Bukit Minyak 11, Kawasan Perindustrian Bukit Minyak, MK13, 14100 Seberang Perai Tengah, Penang, Malaysia
Product Description:	Busbar Trunking System (AH-ES Series, Copper Conductors)
Ratings & Principal Characteristics:	See Appendix
Models/Type References:	AH-ES-500C/AH-ES-630C/AH-ES-800C/AH-ES-1000C/AH-ES-1250C/ AH-ES-1600C/AH-ES-2000C/AH-ES-2500C/AH-ES-5000C AH2-ES-3200C/AH2-ES-4000C/AH2-ES-4500C/AH2-ES-5000C/ AH2-ES-2000C/AH2-ES-2500C/AH2-6300C
Brand Names:	FURUTEC [®]
Specification<s>/Standards:	IEC61439-6:2012 & IEC61439-1:2020
Verification Issuing Office Name & Address:	Intertek Testing Services (Singapore) Pte Ltd 5 Pereira Road #06-01 Asiawide Industrial Building, Singapore 368025
Date of Tests:	5 May 2023 – 23 June 2025
Test Report Number(s):	241200022SGP-003

Additional information in Appendix.



Signature

Name: Nicholas Tan

Position: Assistant General Manager

Date: 23 October 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 2025029-SGP-VOC1

Manufacturer Name &
Address:

Furutec Electrical Sdn Bhd
Plot 89, Lorong Perindustrian Bukit Minyak 11,
Kawasan Perindustrian Bukit Minyak, MK13, 14100 Seberang Perai Tengah, Penang,
Malaysia

Dingsheng Group Co., Ltd
988 Yuxing Road, Chengbei Science and Technology Industrial Park, Sanmao Street,
Yangzhong 212200, Jiangsu, China

Ratings & Principal
Characteristics:

Type of current : Alternating Current at 50/60Hz
Rated operational voltage, Ue : 1000V
Rated insulation voltage, Ui : 1000V
Rated impulse voltage, Uimp : 8kV
Rated current, InA :
500A/630A/800A/1000A/1250A/1600A/2000A/2500A/3200A/4000A/
4500A/5000A/6300A

Degree of protection, IP : IP66
Mechanical Impact : IK10
System: 3 phase four wires (HOUSING GROUND) & 3 phase four wires
(PROTECTIVE EARTH BAR)

Rated short time withstand current (Icw):

Three Phase –
(AH-ES-500C & AH-ES-630C)
20kA for 1s at 40kA peak
12kA for 3s at 24kA peak

(AH-ES-800C & AH-ES-1000C)
40kA for 1s at 84kA peak
23kA for 3s at 48.5kA peak

(AH-ES-1250C)
56kA for 1s at 123.2kA peak
33kA for 3s at 69.3kA peak

(AH-ES-1600C & AH-ES-2000C)
66kA for 1s at 145.2kA peak
38kA for 3s at 80kA peak

(AH2-ES-2000C)
80kA for 1s at 176kA peak
46kA for 3s at 96.6kA peak

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(AH-ES-2500C)
88kA for 1s at 193.6kA peak
51kA for 3s at 112.2kA peak

(AH2-ES-2500C)
100kA for 1s at 220kA peak
58kA for 3s at 127.6kA peak

(AH2-ES-3200C/AH2-ES-4000C/AH2-ES-4500C)
100kA for 1s at 220kA peak
85kA for 3s at 187kA peak

(AH2-ES-5000C/AH2-6300C)
100kA for 1s at 220kA peak
100kA for 3s at 220kA peak

Rated short time withstand current (I_{cw}):

Neutral & PE –

(AH-ES-500C & AH-ES-630C)
12kA for 1s at 24kA peak
6.9kA for 3s at 11.8kA peak

(AH-ES-800C & AH-ES-1000C)
24kA for 1s at 50.4kA peak
13.9kA for 3s at 27.8kA peak

(AH-ES-1250C)
33.6kA for 1s at 70.6kA peak
19.4kA for 3s at 38.8kA peak

(AH-ES-1600C & AH-ES-2000C)
39.6kA for 1s at 83.2kA peak
22.9kA for 3s at 48kA peak

(AH2-ES-2000C)
48kA for 1s at 100.8kA peak
27.7kA for 3s at 58.2kA peak

(AH-ES-2500C)
52.8kA for 1s at 116.2kA peak
30.5kA for 3s at 64kA peak

(AH2-ES-2500C)
60kA for 1s at 132kA peak
34.6kA for 3s at 72.7kA peak

AH2-ES-3200C/AH2-ES-4000C/AH2-ES-4500C)
60kA for 1s at 132kA peak
51kA for 3s at 112.2kA peak

(AH2-ES-5000C/AH2-6300C)
60kA for 1s at 132kA peak
60kA for 3s at 132kA peak



Signature

Name: Nicholas Tan

Position: Assistant General Manager

Date: 23 October 2025

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