Supplier Declaration of Conformity (SDOC)

(in accordance with ISO/IEC 17050-1:2004)

SDoC Identification Number: NHPCOE.001

NHP Electrical Engineering Products (N.Z.) Ltd
118a Carbine Road, Mt Wellington
Auckland 1060
New Zealand
NZ Company No: 931377
Telephone +64 9 276 1967
www.nhp-nz.com

NHP Electrical Engineering Products Pty Ltd
43-67 River Street, Richmond
Victoria 3121
Australia
A.B.N. 84 004 304 812
Telephone +61 3429 2999
www.nhp.com.au

Product details:

Product model:

COE24LG
COE36LG
COE48LG
COE60LG
COE84LG

Description/Ratings:

Pole Capacity: 24, 36, 48, 60, 84
Current Rating I_{nA}: 250A
Main Switch: N/A
Busbar Rating: 250A
IP Rating: 40
Short circuit rating I_{cw}: 25kA 0.1s (10kA 1.0s)
Rated Diversity Factor RDF: 0.6 (63A)
Rated Operational Voltage U_e: 230/400 – 240/415V 50 Hz
Form of Separation: 2b (When fitted CEL3xxx main switch)
Impact Rating: IK 07

The products listed above is in conformity with the following Standard(s)/Normative Documents:

Standard/Document:

- AS/NZS: 61439.1:2016, Annex D Table D.1 List of design verification to be performed
- AS/NZS: 61439.2:2016, CL10 Design verification
- AS/NZS: 61439.3:2016, CL10 Design verification (Product is marked AS/NZS 61439.3)

Test reports/Certificates:

No.	Characteristic to be verified	Clause or Subclause	Tested	Comparison with a reference design	Assessment	Test Report (s) / Comments
	Strength of Material and parts	10.2				
	Resistance to corrosion	10.2.2	✓			CE TR2945A-R1
	Properties of insulating materials	10.2.3				
	Thermal stability	10.2.3.1				Assessed and deemed not required as enclosure is metallic
1	Resistance to abnormal heat and fire due to internal electric effects	10.2.3.2	✓			TUV50203205001 & TUV50227631001
	Resistance to UV radiation	10.2.4				Assessed and deemed not required as is for indoor applications
	Lifting	10.2.5				Assessed and deemed not required as there are no specific lifting points
	Mechanical impact	10.2.6	✓			TUV AU21W2IS001
	Marking	10.2.7	✓			NHP202104-01

= Not allowed

Supplier Declaration of Conformity (SDOC)

(in accordance with ISO/IEC 17050-1:2004)

SDoC Identification Number: NHPCOE.001

No.	Characteristic to be verified	Clause or Subclause	Tested	Comparison with a reference design	Assessment	Test Report (s) / Comments
2	Degree of protection of enclosures	10.3	✓			TUV500923299001
3	Clearance	10.4	✓			NHP202105-08
4	Creepage Distances	10.4	✓			NHP202105-07
	Protection against electric shock and integrity of protective circuits	10.5				
5	Effective continuity between the exposed conductive part of the assemble and the protective circuit	10.5.2	✓			Tested and passed by TÜV Rheinland Australia, awaiting final test report number
	Short circuit withstand strength of the protective circuit	10.5.3	✓	✓		TUV 50074477001
6	Incorporating of switching devices and components	10.6			✓	NHP202103-07
7	Internal electrical circuits and connections	10.7			✓	NHP202103-08
8	Terminals for external conductors	10.8			✓	NHP202103-09
	Dielectric Properties	10.9				
9	Power-frequency withstand voltage	10.9.2	✓			NHP202103-01
	Impulse withstand voltage	10.9.3	✓			NHP202103-04
10	Temperature-rise limits	10.10	✓	✓		NHP202105-12 & NHP202105-02
11	Short-circuit withstand strength	10.11	✓	✓		TUV AU21C7KJ001 & TUV AU214UDO001
12	Electro magnetic compatibility (EMC)	10.12				Assessed and deemed not required, incorporated installed devices comply with EMC requirements
13	Mechanical operation	10.13	✓			NHP202105-06
	Mechanical strength or fastening mean of enclosures	10.101	✓			NHP202104-02
	Fixing in position of pole fillers to comply IP2XC of 8.2.2	10.102	✓			NHP202104-03

= Not allowed

Name: Jamie Goddard

Position: Product Manager—Distribution systems and Protection

Date: 24/05/2021

Jamie Goddard

Signature of Authorised Person