Supplier Declaration of Conformity (SDOC)

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

SDoC Identification Number: NHPCPR.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:

CPR24G, CPR24O
CPR36G, CPR36O
CPR48G, CPR48O
CPR60G, CPR60O
CPR72G, CPR72O
CPR84G, CPR84O
CPR96G, CPR96O

Description/Ratings:

Pole Capacity: 24, 36, 48, 60, 72, 84, 96
Current Rating I_{nA}: 250A
Main Switch: N/A
Busbar Rating: 250A
IP Rating: 66
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 10

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 TR2945B
	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	✓			CE TR2945C
	Lifting	10.2.5				Assessed and deemed not required as there are no specific lifting points
	Mechanical impact	10.2.6	✓			TUV AU216R1D001
	Marking	10.2.7	✓			NHP202104-01

= Not allowed

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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	✓			TUV50093297001
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 No.
	Short circuit withstand strength of the protective circuit	10.5.3	✓	✓		TUV 50074477001 & TUV AU21SXHF001
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	✓			NHP202103-02
	Impulse withstand voltage	10.9.3	✓			NHP202103-05
10	Temperature-rise limits	10.10	✓	✓		NHP202105-04 & NHP201908-01
11	Short-circuit withstand strength	10.11	✓	✓		TUV AU21878L001 & TUV AU21XD5M001 & TUV AU21BKZ0001 & TUV AU21NU7E001
12	Electro magnetic compatibility (EMC)	10.12				Not required, incorporated devices comply and installed to 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