

Supplier Declaration of Conformity (SDOC)



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

SDoC Identification Number: NHPCPR.005

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Product details:

Product model:

CPR24SS, CPR24SSO
CPR36SS, CPR36SSO
CPR48SS, CPR48SSO
CPR60SS, CPR60SSO
CPR72SS, CPR72SSO
CPR84SS, CPR84SSO
CPR96SS, CPR96SSO

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 AU21HYX1001 |
| | Marking | 10.2.7 | ✓ | | | NHP202104-01 |

■ = Not allowed

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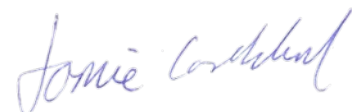
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|-----|---|---------------------|--------|------------------------------------|------------|--|
| 2 | Degree of protection of enclosures | 10.3 | ✓ | | | TUV50093297001 |
| 3 | Clearance | 10.4 | ✓ | | | NHP202105-08 |
| 4 | Creepage Distances | 10.4 | ✓ | | | 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 | ✓ | ✓ | | NHP202105-01 & 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: 1/12/2021



Signature of Authorised Person