Supplier declaration of conformity

in accordance with
AS ISO/IEC 17050-1:2005

MOD6+ MD6LL Lightning Loadcentre

Declaration

We, NHP Electrical Engineering Products Proprietary Limited, declare that the assemblies listed below comply with the following marked Standard/s and have the below ratings.

Standards

AS/NZS 61439.1:2026	Low-voltage switchgear and controlgear assemblies Part1: General rules Annex D Table D.1 List of design Verification to be performed
AS/NZS 61439.3:2016	Low-voltage switchgear and controlgear assemblies Part 3: Distribution boards intended to be operated by ordinary persons (DBO)
AS/NZS 5112:2015	Tunnel type terminal neutral bars for low voltage switchboards — Requirements for termination of copper conductors up to 50 mm2

Approvals

Engineering approval by

Thomas Krajinovic
Commercial Engineer – Switchboard & Power Systems

thomas krajinovic

Date: 26/08/2026

Commercial approval by

Sandra Quintero
Product Manager - Distribution & Switching

Sandra Quintero

Date: 31/08/2026

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Assembly Ratings

Data type		Data type	
Rated Operational Voltage U_e	230/400 – 240/415V 50 Hz	Short circuit rating (I_{cn})	10kA(4)
Rated Current I_n	80A	Rated Diversity Factor	0.625(2), 0.635(3)
Busbar current rating	1P MD6LL busbar comb (included) 80A	Rated Peak Withstand Current (I_{pk})	17kA (4)
Pole Capacity	8, 12, 18, 24, & 36	Maximum Outgoing Circuit	63A MOD6+
Impact Rating	IK 5	IP Rating	IP 2XC (escutcheon) IP 40 (Enclosure)
Rated Impulse Voltage (U_{imp})	4kV	Rated Insulation Voltage (U_i)	250V 1P 500V 3P
Form of Separation	2bi (1)	Location type	Indoor

(1) When fitted with NHP MOD6+ circuit protection and pole fillers
(2) Diversity 0.625 at 80A using 32A RCBOs.
(3) Diversity 0.635 at 80A using 63A MCBs
(4) NHP MOD6+ circuit protection devices without backup protection have a short circuit rating of 6kA, and Rated peak withstand current of 9kA. Refer to NHP for backup protection options.

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Assemblies

Part number	Description
MD6LL08ST	MOD6+ LOADCENTRE LIGHTNING 08 WAY SURFACE TRANSPARENT
MD6LL08SW	MOD6+ LOADCENTRE LIGHTNING 08 WAY SURFACE WHITE
MD6LL12FT	MOD6+ LOADCENTRE LIGHTNING 12 WAY FLUSH TRANSPARENT
MD6LL12FW	MOD6+ LOADCENTRE LIGHTNING 12 WAY FLUSH WHITE
MD6LL12ST	MOD6+ LOADCENTRE LIGHTNING 12 WAY SURFACE TRANSPARENT
MD6LL12SW	MOD6+ LOADCENTRE LIGHTNING 12 WAY SURFACE WHITE
MD6LL18FT	MOD6+ LOADCENTRE LIGHTNING 18 WAY FLUSH TRANSPARENT
MD6LL18FW	MOD6+ LOADCENTRE LIGHTNING 18 WAY FLUSH WHITE
MD6LL18ST	MOD6+ LOADCENTRE LIGHTNING 18 WAY SURFACE TRANSPARENT
MD6LL18SW	MOD6+ LOADCENTRE LIGHTNING 18 WAY SURFACE WHITE
MD6LL24FT	MOD6+ LOADCENTRE LIGHTNING 24 WAY FLUSH TRANSPARENT
MD6LL24FW	MOD6+ LOADCENTRE LIGHTNING 24 WAY FLUSH WHITE
MD6LL24ST	MOD6+ LOADCENTRE LIGHTNING 24 WAY SURFACE TRANSPARENT
MD6LL24SW	MOD6+ LOADCENTRE LIGHTNING 24 WAY SURFACE WHITE
MD6LL36FT	MOD6+ LOADCENTRE LIGHTNING 36 WAY FLUSH TRANSPARENT
MD6LL36FW	MOD6+ LOADCENTRE LIGHTNING 36 WAY FLUSH WHITE
MD6LL36ST	MOD6+ LOADCENTRE LIGHTNING 36 WAY SURFACE TRANSPARENT
MD6LL36SW	MOD6+ LOADCENTRE LIGHTNING 36 WAY SURFACE WHITE

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Additions Within Scope

Additional products can be installed within these assemblies. Below is a list of acceptable additions within the scope of this Declaration.

MOD6+ Circuit Protection	≤ 63A	NHP MOD6+ MCBs, RCCBs, RCBOs, AFDDs, Switch disconnectors
Main Switches	80A	Models MD6MSx80 1, 2, 3 Pole configurations
Emergency lighting kits		Models CELAELKxW
External lighting kits		Models CELEXTKxx
Surge Protection	1P 3P+N	Models MD6AS1x0230 Models MD6AS4x0400
DIN Contactors	≤ 40A	Models DTCxxxxxxxD
DIN Time clocks		Models Finder 12 Series Time switches
Earth & neutral kits		Models MD6AB Family Models IBC Family Models IBD Family

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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	✓			AU26RHWT
	Properties of insulating materials	10.2.3				
	Thermal stability	10.2.3.1	✓			AU268Z0S
1	Resistance to abnormal heat and fire due to internal electric effects	10.2.3.2	✓			AU26KCDT
	Resistance to UV radiation	10.2.4				Not required as product is intended for indoor applications.
	Lifting	10.2.5				Not required as there are no specific lifting points.
	Mechanical Impact	10.2.6	✓			AU26OZKA
	Marking	10.2.7	✓			NHP202608-03
2	**Degree of protection of enclosures**	**10.3**	✓			AU26TJ74
3	**Clearance**	**10.4**	✓			NHP202608-02
4	**Creepage Distances**	**10.4**	✓			NHP202608-02
	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				Not required as no exposed conductive parts.
	Short circuit withstand strength of the protective circuit	10.5.3				Exempt from verification (AS/NZS 61439.1:2026 Clause 10.5.3.2)
6	**Incorporating of switching devices and components**	**10.6**				To be declared by assembly manufacturer, as this is dependent on equipment installed.
7	**Internal electrical circuits and connections**	**10.7**				To be declared by assembly manufacturer, as this is dependent on installed circuit design.
8	**Terminals for external conductors**	**10.8**			✓	NHP202608-05 (covers Main Neutral connection). Main incomer, and outgoing to be declared by assembly manufacturer.

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Test Reports/Certificates

No.	Characteristic to be verified	Clause or Subclause	Tested	Comparison with a reference design	Assessment	Test Report/s / Comments
9	**Dielectric Properties**	**10.9**				
	Power-frequency withstand voltage	10.9.2	✓			NHP202608-02
	Impulse withstand voltage	10.9.3	✓			NHP202608-02
	Enclosures made of insulating material	10.9.4	✓			NHP202608-02
	External operation of handles of insulating material	10.9.5				Assessed and deemed not required as product does not have a handle.
	Conductors covered by insulating material to provide protection against electric shock	10.9.6	✓			NHP202605-02
10	**Temperature-rise limits**	**10.10**		✓		NHP202605-02
11	**Short-circuit withstand strength**	**10.11**				Exempt from verification (AS/NZS 61439.1:2026 Clause 10.11.2)
12	**Electromagnetic compatibility (EMC)**	**10.12**				Assessed and deemed not required, when incorporating installed devices which comply with EMC requirements.
13	**Mechanical operation**	**10.13**	✓			NHP202608-01
	Mechanical strength or fastening mean of enclosures	**10.101**	✓			NHP202608-04
	Fixing in position of pole fillers to comply IP2XC of 8.2.2	**10.102**	✓			NHP202608-04

■ = Not allowed