

	Test realized	Date	Standard	Details	Quantities tested	Accepted Nb of failures	Comparison vs previous version (*)		
							Better	Equal	Worse
1	Accuracy at +/-I _p n (at +25°C)	TBD	LEM CO.60.09.014.0	U _c = +/-15 V, I _p = ± 500/2000 A, R _L = 2KΩ	NNC-10A-C31-500A/10V-old 10pcs,new 10pcs ,NNC-10A-C23L-2000QA-10A old 10pcs,new 10pcs	0	☐	☒	☐
2	Electric offset (at +25°C)	TBD	LEM CO.60.09.014.0	U _c = +/-15 V, I _p = 0 A, R _L = 2KΩ	NNC-10A-C31-500A/10V-old 10pcs,new 10pcs, NNC-10A-C23L-2000QA-10A old 10pcs,new 10pcs	0	☐	☒	☐
3	Linearity error at +/- I _p n	TBD	LEM CO.60.09.014.0	U _c = +/-15 V, I _p = ± 500/2000 A, R _L = 2KΩ	NNC-10A-C31-500A/10V-old 10pcs,new 10pcs ,NNC-10A-C23L-2000QA-10A old 10pcs,new 10pcs	0	☐	☒	☐
4	Ageing 85 °C /85 %RH	TBD	LEM 98.20.00.566.0	T °C = 85 °C; RH = 85 %; Duration = 1000 h U _c = +/-15 V (connected); I _p = 500/2000 A; Check After stab. @ 25 °C (End test), & Insulation Test	NNC-10A-C31-500A/10V-old 10pcs,new 10pcs, NNC-10A-C23L-2000QA-10A old 10pcs,new 10pcs	0	☐	☒	☐
5	Ageing Cyclic	TBD	LEM 98.20.00.566.0	T °C min = -40" °C; T °C max = 80 °C; Nbr of cycles = 5 U _c = +/-15 V (connected); I _p = 500/2000 A; Monitoring Check After stab. @ 25 °C (End test), & Insulation Test	NNC-10A-C31-500A/10V-old 10pcs,new 10pcs, NNC-10A-C23L-2000QA-10A old 10pcs,new 10pcs	0	☐	☒	☐
6	Characterisation in temperature range (Initial) Sensitivity ; Overall accuracy; Accuracy at 0..±I _p N	TBD	LEM CO.60.09.014.0	I _p = ± 500/2000 A R _L = 2KΩ	NNC-10A-C31-500A/10V-old 10pcs,new 10pcs, NNC-10A-C23L-2000QA-10A old 10pcs,new 10pcs	0	☐	☒	☐

7	Characterisation in temperature range (Initial Offset / Electrical Offset / Magnetic Offset)	TBD	LEM CO.60.09.014.0	$U_C = \pm 15 \text{ V}$, $I_P = 0 \text{ A}$, $R_L = 2 \text{ K}\Omega$	NNC-10A-C31-500A/10V-old 10pcs,new 10pcs ,NNC-10A-C23L-2000QA-10A old 10pcs,new 10pcs	0	☐	☒	☐
8	Vibration sinus ("Special test")	TBD	IEC60068-2-6 Amplitude 4.5G	Sin wave	NNC-10A-C31-500A/10V-old 10pcs,new 10pcs ,NNC-10A-C23L-2000QA-10A old 10pcs,new 10pcs	0	☐	☒	☐
9	Random Vibration	TBD	IEC 61373 (01/1999)	Random; Level & Frequency = Category 1 Class B $U_C = \pm 15 \text{ V}$ (connected); $I_P = 500/2000 \text{ A}$; Monitoring Check After stab. @ 25°C (End test); & Meas. torque Bef. and After	NNC-10A-C31-500A/10V-old 10pcs,new 10pcs ,NNC-10A-C23L-2000QA-10A old 10pcs,new 10pcs	0	☐	☒	☐

Quality file:

	Available (YES/NO)
Supplier Qualification	No
DFMEA	No
PFMEA	No
Control Plan	Yes
Working Instructions	Yes

Note : (It uses the same samples.(Thermal shock → Insulation))

(*) "Comparison vs previous version" results are expectation at the moment.