CERTIFICATE OF CONFORMITY

08/X29/1/3953657-1001-6

TO:
UNE-IEC 61822, 2nd Edition
AENA DIN/DSEYN/PPT/002 -05/13

Product:

AES-CCR-2100S

Manufacturer:

Airfield Equipment & Services, S.L.

Applications:

Constant Current Regulator Size 2,5 kVA – 30 kVA

We hereby certify:

That we conducted an inspection, review and documental study of the characteristics of the above mentioned equipment based on the test witnessed by **LCIE Bureau Veritas**.

On the base of all the foregoing, and in view of the results obtained; we confirm that:
the constant current regulator model **CCR-2100S** above referenced, manufactured by Airfield Equipment & Services, S.L., designed for airfield regulators applications,

FULFIL SATISFACTORILY

the demands and requirements of the above mentioned standards and of technical provisions of AENA referred in the present document, and specifically the specifications of the UNE-IEC 61822 and AENA PPT 002 -05/13.

Test	Constant current regulator Reference (IEC)	Result It fulfils
a. Visual inspection	7.1	Satisfactory
b. Safety	7.2	Satisfactory
c. Power frequency	7.3.1	Satisfactory
d. Enclosure temperature	7.4	Satisfactory
e. Open circuit	7.5.1	Satisfactory
f. Over current	7.5.2	Satisfactory
g. Operation	7.6	Satisfactory
h. Regulation (resistive load)	7.7.1.1	Satisfactory
i. Regulation (reactive load)	7.7.1.2	Satisfactory
j. Efficiency	7.7.2	Satisfactory
k. Power factor	7.7.3	Satisfactory
l. Output current surge	7.7.4	Satisfactory
m. Dynamic response	7.7.5	Satisfactory
n. Power supply interruptions	7.7.6	Satisfactory
ñ. Output waveforms	5.4.2	Satisfactory
o. Mechanical option	7.7.7	Satisfactory

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p. EMC	7.7.8	Satisfactory
q. BIL	7.3.2	Satisfactory
r. Lightning arrestors	7.7.9	Satisfactory
s. Low temperature	7.8.1	Satisfactory
t. High temperature	7.8.2	Satisfactory

As well as the requirements of both standard, the additional accessories required by AENA detailed below:

Test	Constant current regulator Reference (IEC)	Result It fulfils
i. Supervision interface voltages	5.3.9.2	Satisfactory
ii. Earth fault detection	5.7.1	Satisfactory
iii. Load indicator	5.7.2	Satisfactory
iv. Lamp fault detection	5.7.3	Satisfactory
v. Output lightning arrestors	5.7.4	Satisfactory
vi. Field circuit isolator	5.7.5	Satisfactory
vii. Non-illumination current step	5.7.6	Satisfactory
viii. Out of range indicator	5.7.7	Satisfactory
ix. Output ammeter	5.7.8	Satisfactory
x. Short circuit protection	5.7.9	Satisfactory
xi. Serial wiring	5.7.10	Satisfactory
xii. Temperature sensor	4.1.4 (PPT)	Satisfactory
xiii. Mechanical design - wheels	4.1.5 (PPT)	Satisfactory
xiv. Control and supervision connector configuration	4.1.6 (PPT)	Satisfactory
xv. Protection against electric shock	4.3 (PPT)	Satisfactory

And for the record for the appropriate purposes we issue and sign this Certification in Barcelona, on May 23th of 2019.

Inspector Bureau Veritas
Laura Arcas

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