

# AGLST

# OPIJNEN

TRANSFORMER ⚡ SOLUTIONS

Aeronautical Ground Lighting Series Transformer



**NORATEL**

*When performance matters.*



## AGLST - Aeronautical Ground Lighting Series Transformer

Noratel AGLST series have been developed for use in Aeronautical Ground Lighting applications. This series of transformers has been constructed to meet the most challenging environments and are designed and manufactured in full compliance with FAA and IEC regulations.

### Characteristics:

- Efficient and compact toroidal design giving excellent electrical and magnetic performance.
- Available in ratios 6.6/6.6A, 6.6/20A, 20/20A with an accuracy of +/- 1%
- IP68 encapsulation in a special, thermo-plastic elastomer, resistant to UV and ozone exposure, acid and alkaline soils, as well as to chemicals commonly used on airfields such as oils, fuels, de-icing fluids, etc. The materials and construction used are also termite and rodent proof.
- Ambient temperature range from -55°C to +65°C.
- Stable light output over a wide secondary range.
- Primary cables: 6mm<sup>2</sup>/5kV, length 60cm with standard FAA connectors style 2 and 9
- Secondary cable: 2x2.5mm<sup>2</sup>/600V, length 120cm with standard FAA connector style 7 or 8
- If the AGLST is short circuited no damage will ensue
- Due to high manufacturing standards, and very stringent final tests, the AGLST maintains high performance and reliability.
- Dielectric tested at 10kV AC and insulation tested at 15kV DC.





- Minimized leakage inductance (to permit HF communication signals)
- Optional earthing can be provided
- Permanently marked with rating, product number and manufacturer
- The AGLST is in full compliance with FAA AC150/5345-47 and IEC 61823

### Application:

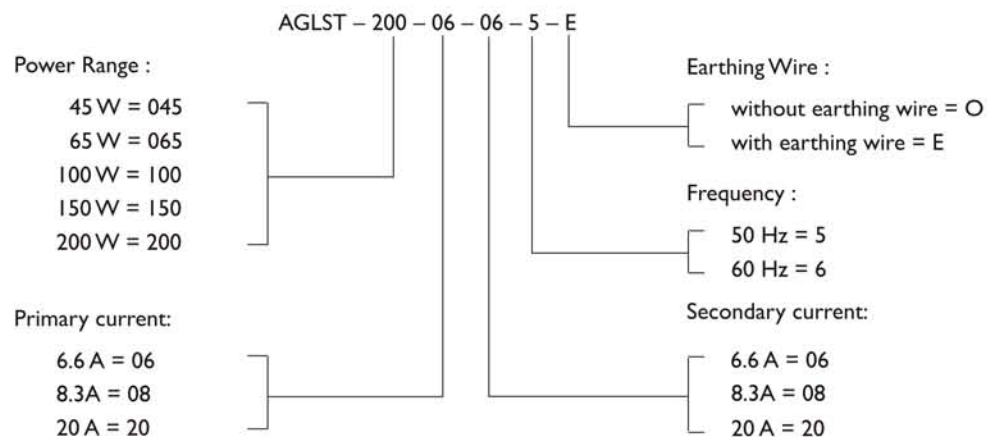
- To provide series circuit airport ground lighting (taxi and runway)
- To ensure the continuity of the series circuit in case of a lamp malfunction
- To ensure proper isolation between the high voltage series supply (from a current regulator) and the low voltage lamps



Rated secondary power	Primary / Secondary current	Frequency	Power range	Load range	Efficiency At Nominal load	Power factor at nominal load	Short circuit current	Open circuit current	Length	Width	Height	Net weight
W	A	Hz	W	Ohm	%		A	A	mm	mm	mm	Kg
45	6.6/6.6A	50 60	35-60 35-60	0.80-1.38 0.80-1.38	86.5 86.0	0.98	6.73 6.73	17.0 17.5	167	128	47	2.3
65	6.6/6.6A	50 60	40-90 40-100	0.92-2.07 1.03-2.29	87.0 87.0	0.98	6.71 6.71	25.0 30.0	167	128	47	2.4
100	6.6/6.6A	50 60	50-125 35-125	1.10-2.87 0.80-2.87	89.5 89.5	0.98	6.70 6.69	37.0 37.0	167	128	60	2.9
150	6.6/6.6A	50 60	45-185 50-185	1.00-4.25 1.10-4.25	91.5 91.5	0.98	6.68 6.70	52.0 52.0	167	128	73	3.5
200	6.6/6.6A	50 60	25-230 40-230	0.57-5.28 0.92-5.28	92.0 92.5	0.98	6.67 6.68	65.0 62.0	167	128	73	3.6

AGLST also available in primary/secondary current ratios of 6.6/20A, 8.3/20A, 20/6.6A & 20/20A

### Product nomenclature:



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