RELATED STANDARDS

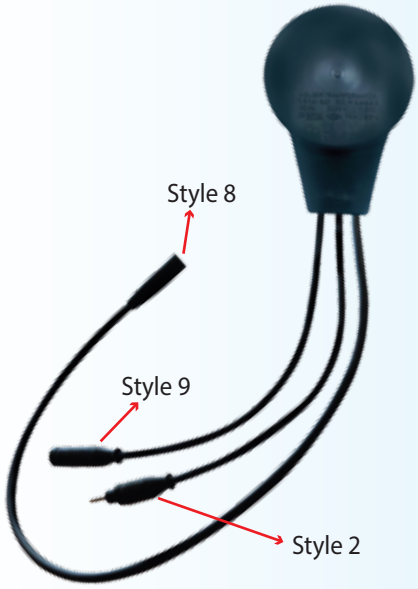
FAA AC 150/5345-47 L-831
ICAO Aerodrome Design Manual, Part 5 Para. 3.2.1.7
IEC TS 61823
STANAG 3316

APPLICATIONS

- In supplying the airfield lighting from a series circuit.

IMPORTANT FEATURES

- IEC 61823 certified
- The primary windings of all transformers are connected to a constant current regulator and the secondaries are connected to runway or taxiway lights. Thus the primary and secondary windings being separated, safety of the personnel is acquired.
- Operates without time limit in short circuit, open circuit and full load conditions.
- The plugs and receptacles enable easy connection
- Transformers can be operate continuously at 10% over load
- The Toroidal core made of low loss grain oriented laminations. Primary and secondary windings are made of double enamelled copper wire
- Two single-core primary leads 0.60m, 1x6mm^2, 5 kV with factory moulded Style 2 Plug and Style 9 Receptacle
- One two-core secondary lead 1.20m, 2x2.50mm^2, 1kV with factory moulded Style 7 or Style 8 receptacle
- Transformers are designed for continuous operation
- Transformers are resistant to salty water, fuel, oil and ozone in ambient temperatures between -55°C and +65°C Can directly be buried in soil



ELECTRICAL FEATURES

Rated Wattage (W)	Primary Current (A)	Minimum Power Factor	Minimum Efficiency	Secondary Current (A)	Load (Ohm)	Maximum Voltage At Open Circuit (V)
20/25	6.6	0.95	85	6.53 - 6.67	0,69	20
45	6.6	0.95	85	6.53 - 6.67	1,03	20
65	6.6	0,95	85	6.53 - 6.67	1,49	30
100	6.6	0.90	90	6.53 - 6.67	2,30	40
150	6.6	0,90	90	6.53 - 6.67	3,44	60
200	6.6	0.90	90	6.53 - 6.67	4.59	70
300	6.6	0,90	90	6.53 - 6.67	6,89	110