Combined Switching Unit SW



FAA: AC 150/5345-47
ICAO: Annex 5, Electrical Systems
BS EN: 61823

Features

- Encapsulated in a homogenous high quality polyurethane resin
- 8mm insulation between outer and any core components exceeding requirements of 6.5mm
- Available in Fail-On & Fail-Off versions
- 12hr minimum water testing prior to despatch
- Permanently marked with rating, product identification and manufacturer details
- Materials used are termite and rodent proof
- Resistant to acid and alkaline soils, oils, fuels and de-icing fluids
- IP Rating equivalent to IP681

Application

- Military or civil airport AGL constant current circuits.
- Taxiway Routing
- Stop Bar Control

Environmental

- Ambient temperature range -20°C to +55°C

Optional

ALS also offer our unique 'Daisy Chaining' service, where strings of transformers are moulded to each other, minimising the number of onsite joints, whilst providing superior circuit insulation.

- Daisy chains of transformers up to a length of 6 of various sizes
- Plugs and sockets moulded on the primary cables

Airfield Lighting Systems UK Ltd

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Specification

- Switching signal voltages 12V to 72V DC - Half-wave control signals must not be used
- Switching signal current of 2mA at 48V DC
- Switching signal to transformer secondary isolation voltage of +2500V AC
- Control signal cables 2 core, 2.5mm?
- Current to the lamps is ramped up and down more slowly than the regulator changes its firing angle (150ms)
- Maximum rms voltage of 33V when open circuit

Power and Dimensions

AGLST	Power Range	Variations available	Size	Weight
36 Watt	25W to 45W with output remaining within ± 1% of 6.60A	36/6/6.6 36/6.6/6.6 36/12/6.6	L: 135mm W: 113mm H: 87mm	4.50 kg
45 Watt	35W to 60W with output remaining within ± 1% of 6.60A	45/6/6.6 45/6.6/6.6 45/12/6.6	L: 135mm W: 113mm H: 87mm	4.50 kg
65 Watt	50W to 85W with output remaining within ± 1% of 6.60A	65/6/6.6 65/6.6/6.6 65/12/6.6	L: 132mm W: 133mm H: 103mm	6.00 kg
100 Watt	80W to 125W with output remaining within ± 1% of 6.60A	100/6/6.6 100/6.6/6.6 100/12/6.6	L: 132mm W: 133mm H: 103mm	6.00 kg
N.B. For All Fail Off: L: 132mm, W: 133mm, H: 103mm, 6kg				

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