C21 Power Through Control

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Strand Lighting

120v Market

C21 Power Through Modules

- Dual 15 or 20 amp SSR Dimmer Modules with 350µs, 500µs filter chokes
- All dual and single SSR modules are available with optional status reporting
- Three position switch per circuit for Dim, ByPass or Relay modes.
- All magnetic circuit breakers rated for lighting applications and designed for improved trip indication

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Characteristics

	120v Modules	230v Modules
Supply	90 to 130VAC, 3-phase, neutral + earth, 47 to 63 Hz	220 to 264VAC, 3-phase, neutral + earth, 47 to 63 Hz
Maximum output voltage	20-130volts (e.g. set to 105V for extended lamp life)	20-250volts (e.g. set to 220V for extended lamp life)
Storage Temp	-40°C to 70°C	
Operating Temp	1°C to 40°C ambient	
Storage Humidity	0% to 95%, relative humidity, non-condensing	
Operating Humidity	10% to 95%, relative humidity, non-condensing	
Circuit protection	Appropriately sized fully magnetic breaker of 10,000 AIC	Fully isolating, RCBO with combined overload/short circuit protection with C class trip characteristic and residual current protection, providing 6kA fault current rating.
Load regulation	Dimmers will maintain their output within +/- 1% of the set output with load changes from 1kW to the maximum	
Line compensation	The system regulates dimmer outputs to within 1V over operating voltage range. Each dimmer is individually	
Efficiency	Minimum power efficiency for dimmers is 97% at full load. Maximum full load dimmer loss is 3V RMS.	
Contactor	Non-dim power efficiency is 99%.	
DC component of output	Less than 1 volt with tungsten loads from 60W to the maximum rating of the dimmer, at all control levels.	

Key Points

Future proofing your lighting system for both incandescent, LED, or moving lights.

Flexible loading – when the lighting plot is consistently changing due to performance needs allowing for “mixed” circuiting between dimmed or relay controlled circuit

When using a hybrid lighting plot of traditional fixed and moving lights or LED luminaires that need a relay controlled straight power circuit

Any application that utilizes both standard forward phase dimming and contact relay straight power