

IMS3DRLY

IMS Enabled DALI-2 Relay Module

Product Description

The IMS3DRLY DALI-2 Relay Module is a compact relay module for direct control of 277V AC loads via DALI.

Construction

- Halogen-free, non-flammable polycarbonate housing
- 6 push-to-release wire ports: 4 DALI-2 output, 2 relay ports
- Operates in temperatures from -4°F to 140°F (-20°C to 60°C)
- Storage temperature: -4°F to 167°F (-20°C to 75°C)

Electrical

- Powered via DALI-2 bus (DALI-voltage according to IEC62386 (2014))
- Relay output switch on/off voltage : 277VAC
- Max. breaking current : 12A
- Max inrush current : 60A
- Max continuous current : 5A
- One normally open relay contact
- DALI-2 control unit according to IEC62386-102

Installation

- Wire ports accept 20-16 AWG solid or stranded wire
- Install into standard junction box behind sensor or switch

Listings

- DALI-2, CE, UKCA
- IEC 62386-102, IEC 62386-208
- EN 61547, EN 50015, IEC CISPR15
- EN 61347-2-11, EN 61347-1

Warranty

- 5-year limited system warranty
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project

Catalog

Type

Date



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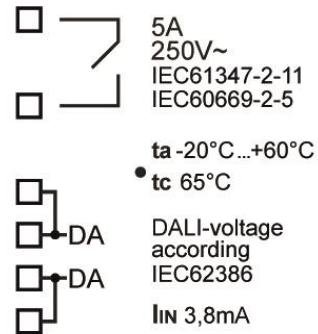
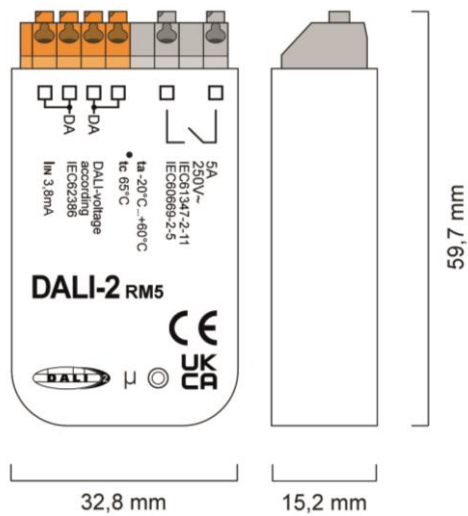
Ordering Information

Series

IMS3DRLY

Specifications and dimensions subject to change without notice.

Dimensions and Terminals



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ELECTRICAL DATA	
Power Supply	via DALI-line
Typ. current consumption DALI (16.5V)	3.8mA
Relay output switch on/off voltage	277VAC
Max. nominal load circuit breaker	1000VA, 6A max
Max. breaking current	12A
Max. inrush current	60A
Max. continuous current	5A
Switching method	Zero cross switching
Type of relay contact	1 normally open
Switch operations at nominal load, resistive	>10 ⁵
Maximum switching frequency	1Hz
Input	DALI
Number of used DALI addresses	1
GENERAL DATA	
Dimensions	X" x Y" x Z" (59mm x 33mm x 15mm)
Mounting	Installation box
Protection Class	II in intended use
Protection Degree	IP20
Behaviour at Power Up	Programmable: ON/OFF/no Change
Behaviour at System Failure	Programmable: ON/OFF/no Change
ENVIRONMENTAL CONDITIONS	
Storing and transportation temperature	-4°F to 167°F (-20°C to 75°C)
Operation ambient temperature	-4°F to 140°F (-20°C to 60°C)
TERMINALS	
Connection type	Spring terminal connectors
Wire size : solid core	AWG 20-16 (0.5-1.5mm ²)
Wire size : fine wire	AWG 20-16 (0.5-1.5mm ²)
Wire size : ferrule end	0.25-1mm ²
Stripping length	0.33-0.37in (8.5-9.5mm)
Tightening / release of wire	Push mechanism
STANDARDS	
DALI	IEC 62386-102, IEC 62386-208
EMC	EN 61547, EN 50015 / IES CISPR15
Safety	EN 61347-2-11, EN 61347-1
Markings	DALI-2, CE, UKCA