



DAS1 ip INS

Item number: 10.711



- DALI-Switch Actuator
- High inrush current up to 165A (20ms)
- Installation housing (INS)
- Power supply onboard, only 0,22W Standby
- Energy efficient design
- High switching capability
- Compliant with common DALI-controller and gateways

Brief Description:

- 1-channel actuator (switch) with DALI input
- Electronic loads may have short, but very high peaks of inrush current. Especially designed for all capacitive loads with high inrush current like Electronic control gear (ECG) or LED applications.
- DALI- or push-button-operation with DALI-Input (tastDIM*)

Usage:

- DALI controlled switching function for lines and loads with high inrush current
- Cavity / ceiling mounting for integrating lighting and other loads into the DALI set
- No load sensing

Installation:

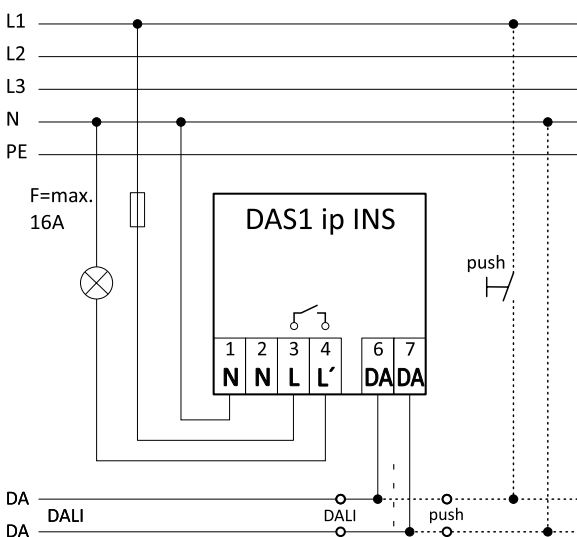
Installation housing for dry interiors as ceiling, wall or luminaire installation.

Remarks:

- DALI signal is not SELV. The installation instructions for low voltage therefore applies.
- Length for DALI signal wire may not longer than 300 m (on 1.5mm² cable diameter) or 2V voltage drop.
- Cable type and diameter: Wiring could be single or fine stranded wire with end sleeves from 0,75mm² up to 2,5 mm²

Programming Information:

Special switching commands:
 RECAL_MIN_LEVEL" = OFF/ switch off
 RECAL_MAX LEVEL" = ON/ switch on



Circuit diagram

DALI Switch Actuator 1-fold 16A/165A REG

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Technical Data - DAS1 ip INS

Operation Voltage	Internal power supply	220V - 240V AC 50-60 Hz
Fuse		Max. 16A
Type	Switch, contacts not floating, switched phase	1 x 16A/ 230V AC
Power Consumption	Standby mode / Operation mode	0,22W / 0,45W
Switching Capability	Max. switching current (AC)	3680 Watt
	Max inrush current	800A/200µs 165A/20ms
	Max. ohmic load cos=1 (AC)	16A
Lifetime / Switching Cycles	electrical, max le AC-1	30.000 cycles
	electrical, max le AC-3	30.000 cycles
Connections	Control circuit	Screw terminal 0,2 ... 2,5 mm ² fine wired 0,2 ... 4 mm ² single wire
	Mains circuit	Screw terminal 0,2 ... 2,5 mm ² fine wired 0,2 ... 4 mm ² single wire
	Tightening torque	max. 0,6Nm
Design	Installation in ceiling or wall or luminaire	Installation housing
	Dimensions (height x width x depth)	29,5 x 51x 101,5 mm
Weight		0.074 kg
Housing / Color	Licensed under DM/053379 of Tridonic	Plastic, white
Environment	Type of protection according DIN EN 60529	IP20 10mm/5KV
	Protection class	II
	Temperature (ambient) ta	0° – 50° Celsius
	Humidity	5 - 80% not condensing
Protocol input: DALI	DALI, fluorescent lamp (device type 0) Implementation of switching function see "Programming Information" below. IEC 62386-201_Appendix_switch_functions_v1.0.pdf	DIN IEC 062386-101 DIN IEC 062386-102
Input: PushButton*	push-button-operation with DALI-Input	up to 230VAC
Approbation	CE-Mark	According EMV and Low Voltage Directive DIN EN 60669 DIN EN 60669-2-1 DIN EN 61000-6-1 DIN EN 61000-6-3 RoHS
Customs	HS-Code/ TARIC-Number	85365080

Further hints:

For compatibility reasons the DALI device type is set to 0 (fluorescent lamp), because a lot of gateways or controllers do not support the device type 7 (Switch).

Important: Notice all safety instructions and related documents for Installation and operation.

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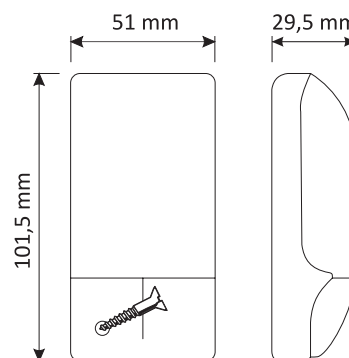
Alternative products

	DAS1 ip REG 1-fold Switch peak 165A - INS Item Number: 10.741	
	DAS2 ip REG 2-fold Switch peak 165A - INS Item Number: 10.743	
	DAS1 ip UP 1-fold Switch peak 165A - INS Item Number: 10.771	

Factory defaults:

DALI Parameter		
Min Level	1	0,1 %
Max Level	254	100 %
Power On Level	254	100 %
System Failure Level	254	100 %

Dimension Drawings:



* PushButton remarks:

No load monitoring

For operating mode tastDIM (push-button-operation with DALI-Input) no further DALI-Controllers, DALI-power-supplies, sensors or other devices are allowed to be connected at the control circuit during the operation with tastDIM.

- Multiple push buttons can be assigned to one device.
- Any push button can be assigned to more than one device.
- Please note the hints in the operating instructions.

