



DAS1 ip REG

Item number: 10.741



- DALI-Switch Actuator
- High inrush current up to 165A (20ms)
- Power supply on board
- 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.

Usage:

DALI controlled switching function for lines and loads with high inrush current
No load sensing

Installation:

In distribution box, rail mounted (35 mm)
Only in compliant electrical installations

Remarks:

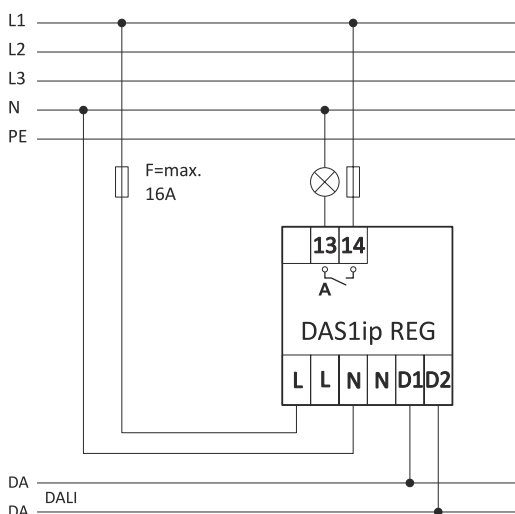
DALI signal is not SELV. The installation instructions for low voltage therefore applies.
Length for DALI signal wire may not longer than 300 m (on 1.5mm² cable diameter) or 2V voltage drop.

Cable type and diameter:

Wiring could be single or fine stranded wire with end sleeves.

Programming Information:

Special switching commands:
„DIRECT_ARC_POWER“: 0-253 OFF
„DIRECT_ARC_POWER“: 254 ON
“RECALL_MIN_LEVEL“: OFF/ switch off
“RECALL_MAX_LEVEL“: ON/ switch on



Circuit diagram

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



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Technical Data - DAS1 ip REG

Operation Voltage	Internal power supply	220V - 240V AC 50-60 Hz
Fuse		Max. 16A
Type	Switch	16A/ 230V AC
Power Consumption	Standby mode	0,22W
	Operation mode	0,45W
	Apparent power consumption (Capacitive power supply)	3,7VA 16mA
Switching Capability	Max. switching current (AC)	3680VA
	Max. ohmic load cos=1 (AC)	16A
	Max inrush current	800A/200µs, 165A/20ms
Lifetime / Switching Cycles	electrical AC-1	30.000 cycles
	electrical AC-3	60.000 cycles
Connections	Control circuit	Screw terminal fine stranded: 0,2 ... 2,5 mm ² single wire: 0,2 ... 4 mm ²
	Mains	Screw terminal fine stranded: 0,2 ... 2,5 mm ² single wire: 0,2 ... 4 mm ²
	Thightening torque	max. 0,5Nm
Design	Mounting rail	35mm DIN EN 60715
	Dimensions (height x width x depth) Mounting depth	90 x 36x 62 mm 66 mm
Housing/ Color		Plastics, gray
Weight		0.072 kg
Operation and Display Elements		DALI Address Button Single LED
Protocol input	DALI, fluorescent lamp (device type 0) Implementation of switching function see "Programming Information" below.	DIN IEC 062386-101 DIN IEC 062386-102
Enviroment	Type of protection according DIN EN 60529	IP20 6mm/3KV
	Protection class	II
	Temperature (ambient) ta	0° - 50° Celsius
	Humidity	5 - 80% not condensing
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	85364900

Further hints:

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

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

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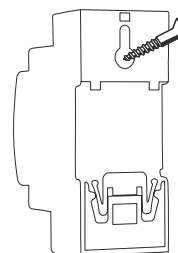
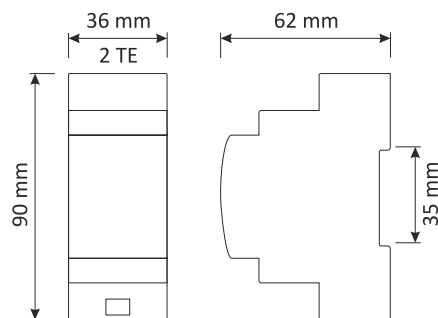
Alternative products

	DAS1 ip INS 1-fold Switch peak 165A - INS Item Number: 10.711	
	DAS1 ip UP 1-fold Switch peak 165A - UP Item Number: 10.771	
	DAS2 ip REG 2-fold Switch peak 165A - REG Item Number: 10.743	

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:



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