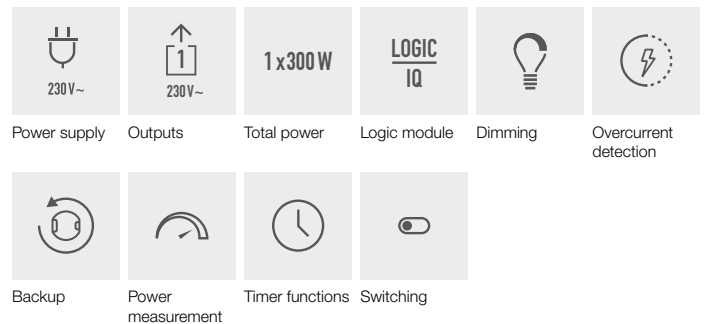


frogDim1-0

Multifunctional 1-channel dimming actuator to dim or switch lights on/off (110-240 V~). Switching and dimming functionality for all approved trailing-edge phase control dimming lighting; Leading-edge phase control only for inductive load approved. Featuring integrated logic module with comfort and timer functions, power measurement and short circuit detection (1x 300 W @ 230 V~).



Technical Data

Category

Article designation	frogDim1-0
Article number	D1-0-300.01
Assembly type	Recess-mounted (in device socket)

Functions and power

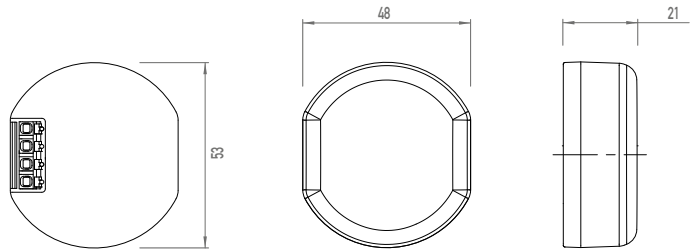
Inputs	0
Outputs	1 (AC 110–240 V ~)
Outputs dimmable	Yes (phase cutting or phase section control can be switched using the frogblue app; phase cutting is only permitted for inductive loads)
Minimum Load LED	3 W
Maximum Power per output	300W/300VA (220-240V~) 150W/150VA (110-219V~)
Suitable loads	Light bulb load, electronic transformer, inductive load, (no motor load)
Output modes	dimming, switching
Protection category	Conforms to IP20
Integrated logic module	Yes
Integrated configuration backup	Yes
Comfort and timer functions	Yes
Power measurement	Yes
Short circuit detection and notification	Yes

frogDim1-0

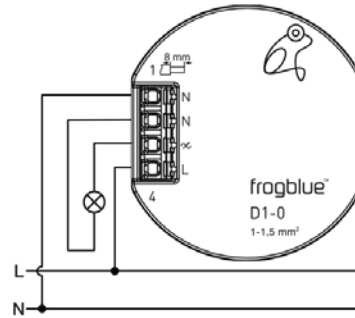
Dimensions and weight

Dimensions (L × B × H): 53 × 48 × 21 mm

Weight: 30 g



Connection example:



Electricity supply

Mains voltage	AC 110–240 V ~
Mains frequency	50 / 60 Hz
Stand-by consumption	< 220 mW

Network

WLAN	No
Bluetooth	Bluetooth 4.2 Low Energy
Frequency range	2400–2483.5 MHz maximum 0.5dBm
Typical radio open field range	30 metres

Operation and storage

Ambient temperature	25 ° to +55 °C
Storage temperature	-25 ° to +70 °C
Air humidity (during operation)	(Non-condensing)

Power connection

Contact type	ε, MOFSET
Connection variants	for bell, lamps
Connection type	Spring-type terminal (single wire)
Wire cross section	1–1.5 mm ² (rigid conductor recommended)
Stripping length	8 mm

Packaging

Packaging size	1 unit
EAN	4260578530200
Packaging dimensions (L × W × H) 1 unit	75 × 30 × 75 mm
Weight including packaging 1 unit	50 g

Note

A relay module (e.g. frogRelay2-2, frogRelay2-2-PF) must be used to control motor loads (e.g. roller shutter motor)

