

frogRelay2-2-PFLV

Multifunctional 2-channel relay switch with 2 potential-free outputs and 2 inputs, suitable for querying buttons, switches, reed contacts, and voltages (up to 30VDC). With convenience and time function. The relay switch is supplied with 12-24VDC and can be used, among other things, to control doors, gates, blinds, lamps, etc.



Time function

Switching

Roller shutter control

Engine control

Logic module

Backup









LOGIC

IQ



Technical Data

Category

Article description	frogRelay2-2-PFLV
Article number	R2-2-PFLV.01
Assembly type	Recess-mounted (in device socket according to DIN 49073)

Functions and power

- Feedback of the switching status
- Configurable switch-on and switch-off behaviour
- Switch-on and switch-off delay
- Mutual interlocking of outputs in motor/blind mode
- Power supply via mains cable, no additional cabling between frogblue modules required

Electricity supply

Power supply	12-24VDC
stand-by consumption	< 130mW @ 12VDC
	< 170mW @ 24VDC
max. consumption	< 590mW @ 12VDC
	< 690mW @ 24VDC

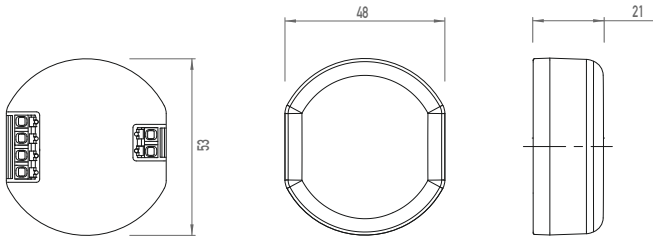


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Dimensions and weight

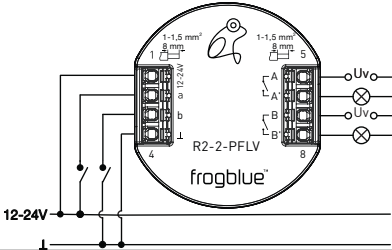
Dimensions(L x B x H): 53 x 48 x 21mm

Weight: 50g



Connection example:

Box depth min. 53 mm when installed behind switch insert
recommended 63 mm when installed behind switch insert



Note on the connection diagram:
The input can be controlled with 24VDC or by switching to GND.

Inputs	
Quantity	2 (voltage-controlled inputs up to 30VDC)
Outputs	
Quantity	2 (potential-free)
min. load	-
Max. power per channel	Uv (ohmic load) max. 6 A / 30 V DC; max. 2,5 A / 50 V DC; max. 6 A / 110-240 V AC; Uv (inductive load @ cosφ=0,4) max. 3 A / 30 V DC; max. 0,8 A / 50 V DC ; max. 5 A / 110-240 V AC
Network	
WLAN	No
Bluetooth®	Bluetooth® 4.2 Low Energy
Frequency range	2400-2483,5 MHz max. -0,2 dBm
Typical radio open field range	30 metres
Operation and storage	
Ambient temperature	-25°C to +55°C
Storage temperature	-25°C to +70°C
Air humidity (during operation)	(Non-condensing)
Protection category	Conforms to IP20
Power connection	
Contact type	μ normally open contact
Connection variants	roller blind/roller shutter motor, lamps, buttons, switches etc.
Connection type	Spring plug-in terminal (rigid conductor recommended)
Wire cross section	1-1,5 mm²
Striping length	8 mm
Special feature	Switch-on currents must be limited, otherwise there is a risk of the contacts sticking together.
Packaging	
Packaging size	1 unit
EAN 1 unit	4260578531788
Packaging dimensions (L x W x H) 1 unit	75 x 30 x 75 mm
Weight including packaging 1 unit	70 g

