

## SHUTTER MODULE

CH030

v1.4

### Product features:

- To be installed in the wall behind switches or fixtures
- 2 switch inputs
- 2 shutter motor control outputs (up-down directions)
- Optional external temperature sensor
- Status LED
- LS bus daisy chain connector (max. 0.8A)



Parameter	Condition	Value			Unit
		Min	Typical	Max	
Power supply			12,0	15,0	V
Power uptake	with 0 wired relay, 12V power source			20,0	mA
	with 1 wired relay, 12V power source			60,0	mA
LS bus daisy-chain max. current				800,0	mA
Relay output					
Relay switched voltage	DC			30,0	V
	AC			277,0	V
Relay max load				10,0	A
Relay control-contact lining				4,0	kV
Relay contact lining				750,0	Vrms
Operating time				10,0	ms
Release speed				4,0	ms
Switching frequency				4,0	Hz
Electrical service life	10A, 250Vac	30 000			kapcsolás
Mechanical service life		10 000 000			kapcsolás

Module label	Function
BUS/+	+12Vdv
BUS/D	LS bus data line
BUS/-	ground
BTNS/2	button2 input
BTNS/C	Pushbutton common
BTNS/1	button1 input
TMP/+	Power supply (+5Vdc) for thermometer
TMP/D	Thermometer signal
TMP/-	ground for thermometer
BUS/+	+12Vdv
BUS/D	LS bus data line
BUS/-	ground
↓	Relay output shutter for DOWN direction
L2	Relay2 input
L2	Relay2 input
L1	Relay1 input
L1	Relay1 input
↑	Relay Output Shutter for UP direction

Status LED	Indication
slow flash	bootloader mode ( first 3 sec after power supply)
frequent flash	software started and running
2 short blink	traffic

Environmental parameters	
Safety rating	IP 20
Temperature resistance	0-40 °C



CISPR 24 /IEC 61000-4-3/2006-09  
 CISPR 24 /IEC 61000-4-6/2014-05  
 CISPR 322015-11  
 IEC 62368-1:20142014-08  
 EN 505812013-02

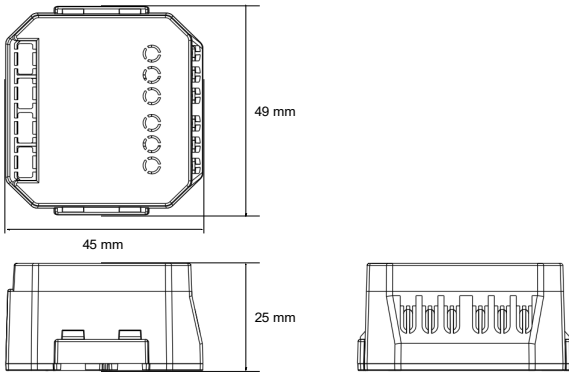
Before installation, please study the Chameleon Electrical installation guide!



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Dimensions and Connection Diagram



Switch

