

2pol dimmer DATASHEET



PRODUCT DESCRIPTION

- Phase cut dimmer.
- Suitable for trailing edge dimming
- Build-in 2pol switch
- CE approved by NEMKO with N Mark
- Protection for output open load, overload and over temperature
- Grow wire tested 650° for 30S for enclosure and 850° for 30S for PCB
- Operating temperature 1: 0°C ~ +40°C, the humidity: 20% ~ 85%
- Degree of protection against access to hazardous parts and against harmful effects due to the ingress of solid foreign objects: IP2X
- Degree of protection against harmful effects due to the ingress of water : IPX0
- Should not be disposed with other household wastes
- This product is not a toy. Keep away from children and animals.
- Do not expose this product to moisture, water or other liquids.
- This product is designed for indoor use only. Do not use outside!
- Five-year factory guarantee and lifetime technical support
- Detailed data please refer to the " PARAMETERS" table

PARAMETERS

MODEL		2pol Dimmer DATASHEET				
Output	Output voltage	220-240Vac; Max 264Vac; Min 198Vac				
	Maximum power	300VA for incandescent and halogen lamps; 250VA for LED lamps				
	Minimum power	5VA for LED lamps; 5VA for incandescent and halogen lamps				
	Rated current	1.25-1.36A				
	Max current	work voltage	198Vac	220Vac	240Vac	264Vac
		Max current	1.364A	1.364A	1.25A	1.136A
	Inrush current	59A; 50%, 300uS@230VAC				
	Dimming Range	5%-100%				
	Quantity of lighting	Example: parameter of the lighting: “a” Stands for W/ “b” Stands for VA; Max input current “c” stands for Ampere;				
		Method 1: Quantity of lighting=1.25 / c (According the Max current value)				
		Method 2: Quantity of lighting=300 / b (According the VA value)				
	Starting time	<2.0S				
	Turn off time	<2.0S				
	Starting current	7mA: matched with 3802372 GU10 lamps 11mA: matched with LED Downlight				
	Noise ⁴	<45dB with distance of 200mm				
Input	Voltage	220-240V				
	Frequency	50Hz				
	Power factor	≥0.9: Incandescent Lamps @ Max output power				
	Efficiency ⁶	≥90% @ Max output power				
	AC current	1250-1360mA				
	ON/OFF switches cycle	>40,000				
	Rotary lifetime	>10000				
	Standby power	<0.5W				
Rotary Control	Type of control element	Potentiometer				
	Direction	Anticlockwise: decrease; Clockwise: increase				
Trimming	Range	Minimum lighting intensity: 0-50%; Maximum Lighting intensity: 50%-100%				
	Direction	Anticlockwise: increase; Clockwise: decrease				
Protection	Over current	Shut down output voltage, recovers automatically after fault condition is removed				
	Overload	Shut down output voltage, recovers automatically after fault condition is removed, or re-power on to recovery				
	Over temperature	Shut down output voltage				
Safety & EMC	Safety standards	IEC/EN60669-2-1; IEC/EN60669-1				
	Withstand voltage	All poles together - Accessible parts: 4KVac				
	Isolation resistance	All poles together - Accessible parts: 100M Ohms/500Vdc/25°C/75%RH				
	EMC emission	EN55015, EN61000-3-2, EN61000-3-3; EN 60669-2-1				
	EMC immunity	EN61000-4-2, EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6; EN61000-4-8; EN61000-4-11; EN61547; Surge immunity L Line- N Line:1KV;				
Environment	Contact opening(gap) and switch performance	Without contact gap(semiconductor switching device)				
	Method of actuating	2pol switch Rotary(Dimming)				
	Method of mounting	Flush-type				

	Method of installation	Design A--Switches where the cover or cover place can be removed without displacement of the conductor
	Type of terminals	Screw -type
	Ambient temperature range ⁹	0°C ~ +40°C
	Relative humidity range	20% ~ 85%RH
	Storage temperature range	-20°C ~ +60°C
Others	Kind of load	LED lamps/Incandescent lamps/halogen lamps
	Dimming control mode	Phase cut
	Dimming mode	Trailing edge
	Lamp Memory function	Yes
	Glow wire test	PCB: 850°C for 30S: ; Enclosure: 650°C for 30S
	Dimension L x W x H	70 x 70x 42.5mm
	Warranty years	3 years

