

### Prevents glowing or flashing of LED luminaires if dimmer is set to OFF (0%)

#### Effect:

If in dimmed circuits LED lamps with only low nominal load are connected, it may occur even when the output level is set to OFF (0%) the LED(s) ,glow' very slightly or ,shine through' instead of being completely off.

#### Reason:

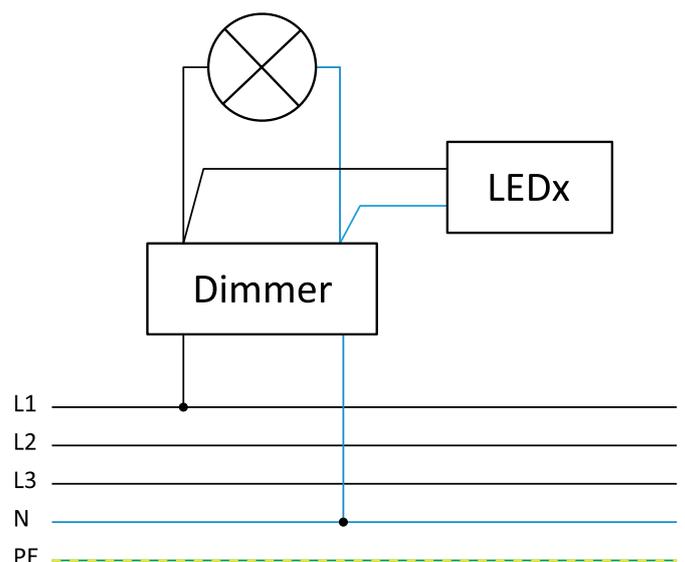
A constantly flowing and unavoidable „cross current“ caused by mandatory EMC measures, even if „OFF“ is commanded at the control input of the dimmer. The dimmed phase L is not completely voltage-free or even disconnected even when OFF.

Specifications		LED-Ballast
Item number		10.299
Power supply		220V-240V AC 50 / 60Hz
Power consumption		0,07W (VA)
Approbation	EMV	DIN EN61000-6-1, DIN EN61000-6-3
	Applied standards	CE
Design	Construction	Flush mouted housing
Dimensions	(height x width x depth) mm	31 x 11 x 20 mm
	Housing	plastics, grey
	Gewicht	0,012 kg
Customs	HS-Code/ TARIC-Number	85365080

Important: Notice all safety instructions and related documents for Installation and operation. Names, brandmarks, products or companies can be claimed. All rights are on their respective owners.

#### Connecting:

The LEDx is connected in parallel between dimmer and LED luminaire. A separate LED ballast is required for each dimmer or LED channel. Connection to 230V AC LED dimmers.



## Safety instructions



### WARNING

For your own safety, read all instructions and information in this manual carefully before initial operation. Keep this manual for future reference.

The instructions are an integral part of the product and must be handed to the end customer.

All information and instructions in this manual must be observed completely and in detail. The manufacturer is not responsible for any direct or consequential damage that results from disregarding any information in this manual.

## CE-marking

The devices comply with the EU directives applicable at the time they are placed on the market.



## Waste disposal

In accordance with European Directive 2002/96/EC (it's) not longer usable electronic devices and defective or used batteries (European Directive 2006/66EG) must be collected separately and disposed of by an environmentally sound recycling.

This symbol indicates that electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime. Should these product are no longer be useable, the user is required by law to dispose of old appliances separately from their household waste e. g. at a local authority collection point or recycling center.



### DANGER

The unit must only be installed and serviced by a proven electrician specialist, in accordance of all relevant regulations, safety and accident prevention directives of the country.

Be sure that the existing mains voltage corresponds with the specified operating voltage before operating the device.

Risk of electric shock. Do not operate the device without a cover. Even when switched off, voltage may be present at the outputs. When working on the device or connected loads, always disconnect the upstream fuse from the power supply.

Only install the device in places with a good ventilation and without humidity or high temperatures. Do not expose the unit to rain or snow. Do not operate the unit near heat sources, e.g. radiators. Do not open the device. Otherwise you will risk a damage and void the warranty.

If any of the following occurs, do not operate the device without first checking it:

- if objects have fallen or liquid has been spilled into the unit.
- if the device has been exposed to rain.
- if the device does not operate normally or with altered characteristics.
- if the device has been dropped or has a broken housing.

For cleaning only use a dry, soft cloth, by no means liquids.