



DATA SHEET

SIPU

PWM 1-10 V converters for smoothly adjustable electronic ballasts

Article number 09500215



[Internetlink](#)

Function

"Couplers for external systems" are devices that can send and receive external voltages or protocols. For this reason they can also be called interfaces. The SIPU impulse voltage converter is a component of the SI impulse system and facilitates the conversion of a pulse-width modulated signal (PWM) into a standardised 1-10 V signal for electronic ballasts. The signal to be converted can be provided to, among other devices, internal system control devices SIDI 2 or LSG and also to components of the Dupline bus system, such as the DDMU 2plus. Depending on the PWM input signal, the internal relay opens or closes to control the electronic ballast and the level is set between 1 V and 10 V. It is therefore possible to incorporate conventional electronic ballasts in group and central controls.

Features

PWM on 1-10 V converter for up to 25 electronic ballasts 58 W each, suitable for Dupline and SI control devices, facilitates integration in groups/central control commands and lighting scenes, two characteristic curves adjustable for adjustment to different front electronic ballasts, compact, space-saving design

Mounting

quick fastening to mounting rail, any installation position

Applications

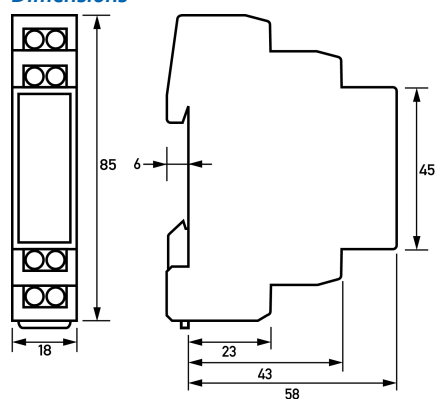
The converter is suitable for use in private and commercially used buildings where control devices of the SI or Dupline system are given additional components with 1-10 V interface, such as electronic ballasts, and are integrated in lighting scene controls. These individual controls could be in living rooms, lecture halls or factory halls.

Technical Data

Technical Data	SIPU
Series	SIPU
Manual operating mode possible	true
Operating voltage (DC)	24 V (21.5 V ... 26.5 V)
	Display Operation
Type	LED
	PWM signal
Rated voltage (DC)	24 V (21.5 V ... 26.5 V)
Rated current	1.2 mA
	1-10 V output
Specification	Semiconductor
Number	1
Rated voltage (DC)	1 V ... 10 V
Rated current (DC)	0.04 A
	Load output
Specification	Relay
Number	1
Rated current (AC)	10 A
Rated frequency	50 Hz
	Screw-type terminal
Clamping area	0.4 mm ² ... 2.5 mm ²

Technical Data	SIPU
Cross section solid	1-wire: max. 2.5 mm ²
Cross section stranded	1-wire: max. 1.5 mm ²
Tightening torque	max. 0.6 Nm
General data description	General data
Operating position	any
Ambient temperature	-10 °C ... 45 °C
Housing type	Distributor housing
Mounting type	Mounting rail
Housing material	Polycarbonate (PC)
Protection class	IP20
Width	17.5 mm
Height	85 mm
Depth	64 mm
Installation depth	58 mm
Width (modules)	1
Design requirements/Standards	EN 60669-1

Dimensions



Dimensional drawing Group view