



DATA SHEET

SISU

External voltage to SI system voltage converter

Article number 09500180



[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 SISU signal voltage converter is a component of the SI impulse system and facilitates the conversion of an external voltage signal into the SI system voltage. The signal to be converted in a range of 0-50 V AC/DC or 0-230 V AC/DC is converted into a 0 V DC or 24 V DC signal. The output signal can then be used to control components of the SI system.

Features

conversion of an external voltage level (0-50 V AC/DC or 0-230 V AC/DC) to SI internal voltage, allow integration of external signal sources in the SI system, compact, space-saving design

Mounting

quick fastening to mounting rail, any installation position

Applications

The SISU is preferably used for integrating external system sensors or signal devices in the SI system. These devices may be motion detectors or external weather stations with external voltages, for example.

Notes

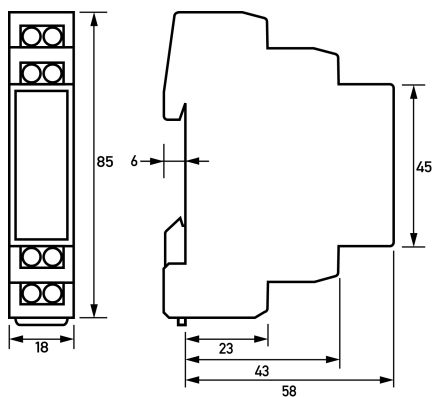
The two SISU inputs must not be used at the same time.

Technical Data

Technical Data	SISU
Series	SISU
Manual operating mode possible	true
Operating voltage source	external power supply
Operating voltage (DC)	24 V (21.5 V ... 26.5 V)
	Display Operation
Type	LED
	Control input
Rated voltage (AC)	110 V ... 230 V
Rated voltage (DC)	110 V ... 230 V
min. Input I1 Debouncing time	15 ms
Load factor	1 ELF
	Control input
Rated voltage (AC)	12 V ... 50 V
Rated voltage (DC)	12 V ... 50 V
min. Input I2 Debouncing time	10 ms
Load factor	1 ELF
	Semiconductor output
Number	1
Rated voltage (DC)	24 V
Rated current (DC)	0.05 A
Load factor	20 ALF

Technical Data	SISU
	Screw-type terminal
Clamping area	0.4 mm ² ... 2.5 mm ²
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), ABS resin
Protection class	IP20
Width	18 mm
Height	85 mm
Depth	65 mm
Installation depth	58 mm
Width (modules)	1
Design requirements/Standards	EN 60669-1

Dimensions



Dimensional drawing Group view