



DATA SHEET

SIR 16 M

for 24 V DC operating voltage

Article number 09500210



[Internetlink](#)

Function

Impulse relays, also known as remote switches, are switching relays that switch on due to an electrical impulse at the control inputs and switch off due to another impulse. They are also known as "electrical non-holding contacts". The devices in series SIR were originally developed for use in the SI system. However, they can be used universally thanks to their 24 V impulse technology. This impulse relay design is suitable for mounting in electrical distribution boards. The monostable load relay SIR 16 M relay is a component of the SI system and can also be used as an installation relay for system-independent control functions.

Features

low control power, powerful switching contact, compact design (1 module width unit), switch status indicator by LED

Mounting

quick fastening to mounting rail

Applications

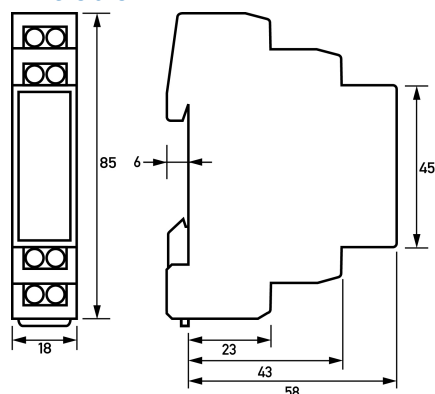
The SIR 16 M is a universal circuit-breaker on the 230 V low-voltage mains. It is used in lighting systems, for example, as an additional auxiliary switch or signal switch.

Technical Data

Technical Data	SIR 16 M
Series	SIR 16 M
Number of (n.o., n.c., change-over)	1 0 0
Manual operating mode possible	true
Operating voltage source	external power supply
Operating voltage (DC)	24 V (21.6 V ... 26.4 V)
Internal consumption	max. 0.1 W
Type	LED
	Control input
Rated voltage (DC)	24 V
Tolerance of rated voltage	-10 % ... 10 %
Rated current	max. 4 mA
Bounce time of push buttons	10 ms
Load factor	1 ELF
	Load circuit
Specification	Relay
Number	1
Rated voltage (AC)	230 V
Rated current (AC)	16 A
Load factor	50 ALF
max. Output O1 Switchung capacity cos j = 0,5	3200 VA

Technical Data	SIR 16 M
max. Output O1 Switchung capacity $\cos j = 1,0$	4000 VA
max. Output O1 rated power fluorescent lamps duo-switching	4000 VA
	Screw-type terminal (Load circuit)
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
Duty cycle	continuous operation
Operating position	any
Mechanical endurance	min. 100000 cycles
Electrical endurance	min. 400000 cycles
Ambient temperature	-10 °C ... 45 °C
Housing type	Distributor housing
Mounting type	Mounting rail
Housing material	ABS resin
Protection class	IP40
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