



**DATA SHEET**  
**DS 230-100**  
*for socket/box installation*  
 Article number 09981100



[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". Devices from series DS have a compact design. As in-wall devices, they have a compact design despite having a high rated current. This design of impulse relays is suitable for mounting in in-wall sockets/boxes but also in cable ducts or recessed spaces.

**Features**

control voltage 230 V AC, NO contact with high continuous load current, actuation duration 0.1 s to 1.0 h, robust recessed housing with compact dimensions

**Mounting**

mounting in deep in-wall sockets/boxes (Ø 60 mm) , wall mounting

**Applications**

The components offer universal use for control tasks in industrial and building systems as well as in domestic installations. They are especially suitable for switching lighting systems, electric heaters, fans, air conditioning systems, ventilators, heat pumps and glow and gas-discharge lamps.

**Notes**

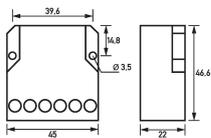
A capacitor switched in parallel is fitted for the operation of glow lamp switches on the DS 230-100.

**Technical Data**

Technical Data	DS 230-100
Series	DS 230-100
Number of (n.o, n.c.,change-over)	1 0 0
Manual operating mode possible	true
Operating voltage (AC)	230 V
Operating voltage (DC)	230 V
Operating frequency	50 Hz
Internal consumption	max. 4.5 W
	control input
Rated voltage (AC)	230 V
Tolerance of rated voltage	-20 % ... 10 %
Rated current	max. 20 mA
Rated frequency	50 Hz
	load circuit
Specification	relays
contact assignment	1 NO
Rated voltage (AC)	250 V
Rated current (AC)	10 A
max. total rated switching capacity	20 A

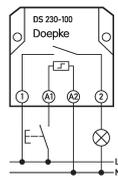
Technical Data	DS 230-100
max. Rated power AC-1 230 V	2500 VA
max. Rated power AC-15	500 VA
max. rated power glow lamps	800 VA
max. rated power HV halogen lamps	800 VA
max. Rated power fluorescent lamp compensated	360 VA
max. Rated power fluorescent lamp not compensated	500 VA
	screw-type terminal bottom (load circuit, coil input)
Allowed types of wires	solid conductor, multiple wire conductor
Connection C1 Maximum number of conductors per terminal	2
Cross section solid	1-wire: 0.6 mm <sup>2</sup> ... 4 mm <sup>2</sup> ; 2-wire: 0.6 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cross section stranded	1-wire: 0.6 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> ; 2-wire: 0.6 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Tightening torque	max. 0.8 Nm
	General data
Duty cycle	short-time operation (Duty cycle ≤ 1 h)
Operating position	optional
Mechanical endurance	min. 3 · 10 <sup>6</sup> switching cycles
Electrical endurance	min. 1 · 10 <sup>6</sup> switching cycles (ohmic load)
Ambient temperature	-40 °C ... 40 °C
Housing type	wall-mounted housing, in-wall housing
Mounting type	Socket/box installation
Housing material	thermoplastic
Protection class	IP20
Width	45 mm
Height	46.6 mm
Depth	22 mm
Installation depth	22 mm
Design requirements/Standards	EN 60669-1

**Dimensions**



Dimensional drawing Group view

**Wiring example**



Wiring diagram