symbolic image

DATA SHEET

doorbell transformers

RK 81

short-circuit-proof thanks to PTC

Article number 09980029

Function

Bell transformers generate one or more output voltages for the operation of doorbell systems, such as bells, buzzers or gongs. Transformers for converting mains voltage of 230 V to safety extra-low voltage.

Features

short-circuit-proof thanks to PTC, certified as per EN 61558, certified by VDE and KEMA, with ENEC approval mark for use in all Europe

Mounting

quick fastening to mounting rail, any installation position

Applications

Bell transformers in series RK are used for the AC power supply to bell systems, lock systems and relay circuits, for example.

Notes

Restore operation after a short-circuit by briefly disconnecting the primary power input, With small loads, or idling, the output voltage may rise, Only for transient loading, In the case of permanent loads we recommend using safety transformers.

Accessories

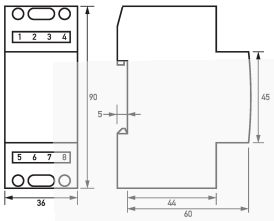
mounting kits RK

Technical Data

Technical Data	RK 81
Series	RK 81
Operating voltage (AC)	230 V
Operating frequency	50 Hz
Internal consumption	max. 7 W
	load circuit
rated voltage	8 V/1 A (AC)
Rated voltage (AC)	8 V
Rated current (AC)	1 A
Rated power	max. 8 VA
Rated frequency	50 Hz
Type overload protection thermal	PTC, primary side
	screw terminals with strain-relief clamp top and bottom
Connection C1 Maximum number of conductors per terminal	2
Cross section solid	1-wire: 1.5 mm² ... 4 mm²; 2-wire: 1.5 mm² ... 2.5 mm²
	General data
Duty cycle	short-time operation (Duty cycle ≤ 1 min bei Nennlast, 5 min at max. 20 % of the nominal load)
Operating position	optional
Housing type	distribution board housing, wall-mounted housing

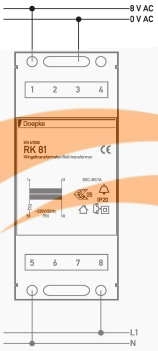
Technical Data	RK 81
Installation type	Mounting rail (35 mm), Wall mounting
Housing material	polycarbonate (PC)
Protection class	IP20
Width	36 mm
Height	90 mm
Depth	65 mm
Installation depth	60 mm
Module widths	2
Design requirements/Standards	EN 61558-1

Dimensions



Dimensional drawing Group view

Wiring example



Wiring diagram