



## UK Technical Data o8

### RK 81

#### Door Bell Transformer - AC output

#### Function

The RK Doorbell transformers generate one or more safety extra-low voltage outputs from 230V AC supply input.

#### Features

PTC based protection automatically limits short-circuit-currents on the output of the transformer. Meets EN 61558, certified by VDE and KEMA, with ENEC approval mark for use in the EU.

#### Mounting

Quick fastening to mounting rail, any installation position

#### Applications

RK units are suitable for intermittent operation of AC powered bell systems, lock systems and relay circuits.

#### Notes

Restore operation after a short-circuit by briefly disconnecting the primary power input. With small loads or no load, the output voltage may rise. Short time rated for normal door bell operation, for permanent loads we recommend using safety transformers rated for 100% duty cycle.

#### Accessories

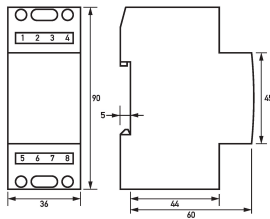
Surface mounting sets RK

#### 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 (AC)	8 V
Rated current (AC)	1 A
Rated power	max. 8 VA
Rated frequency	50 Hz
Thermal overload protection	PTC primary side
	Strain relief clamp top and bottom
Connection C1 Maximum number of conductors per terminal	2
Cross section solid	1-wire: 1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> ; 2-wire: 1.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	General data
Duty cycle	short-time duty (Duty cycle ≤ 1 min bei Nennlast, 5 min at max. 20 % of nominal load)
Operating position	any
Housing type	Distributor housing, wall-mounted housing
Mounting type	Mounting rail (35 mm), Wall mounting
Housing material	Polycarbonate (PC)

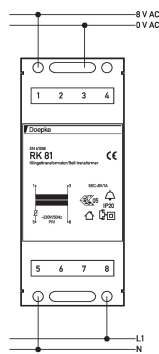
Technical Data	RK 81
Protection class	IP20
Width	36 mm
Height	90 mm
Depth	65 mm
Installation depth	60 mm
Width (modules)	2
Design requirements/Standards	EN 61558-1

**Dimensions**



*Dimensional drawing Group view*

**Wiring example**



*Wiring diagram*