



symbolic image

DATA SHEET

doorbell transformers

RK 3 U

short-circuit-proof thanks to PTC
Article number 09980085



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

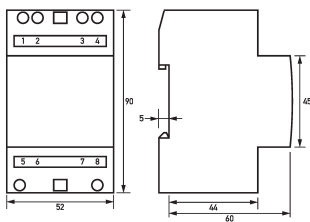
Technical Data

| Technical Data | RK 3 U |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Series | RK 3 U |
| Operating voltage (AC) | 230 V |
| Operating frequency | 50 Hz |
| Internal consumption | max. 11 W |
| | load circuit |
| Rated voltage | 8 V/2 A (AC), 12 V/2 A (AC) |
| Rated voltage (AC) | 8 V, 12 V |
| Rated current (AC) | 2 A, 2 A |
| Rated power | max. 36 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 mm ² ... 4 mm ² ; 2-wire: 1.5 mm ² ... 2.5 mm ² |
| | 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 |

Subject to technical changes

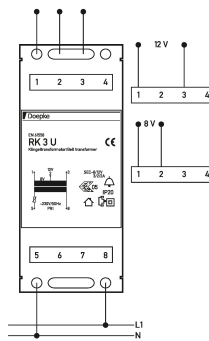
| Technical Data | RK 3 U |
|-------------------------------|--------------------------------------|
| Installation type | Mounting rail (35 mm), Wall mounting |
| Housing material | polycarbonate (PC) |
| Protection class | IP20 |
| Width | 53 mm |
| Height | 90 mm |
| Depth | 65 mm |
| Installation depth | 60 mm |
| Module widths | 3 |
| Weight | 0.596 kg |
| Design requirements/Standards | EN 61558-1 |

Dimensions



Dimensional drawing Group view

Wiring example



Wiring diagram