

Solid state relays and power controllers



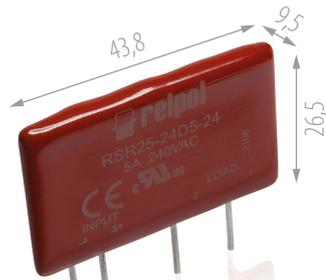
APPLICATIONS

- temperature control devices
- industrial catering equipment
- medical equipment
- textile and printing machines
- welding machines, motors
- SMT assembly devices
- solenoid valves
- relays and programmable controllers
- control cabinets
- power electronics systems
- lighting control systems





RSR25



- RSR25:
 - small dimensions – high load 5 A
 - max. load voltage: 280, 530 V AC
 - zero-crossing or random-on switching
 - control voltage: 4...15, 15...32, 4...32 V DC
 - dielectric strength: 4 000 Vrms
 - mounting: THT (through-hole)

RSR30, RSR32, RSR35, RSR35-...-RZA



- RSR30:
 - load: 1...4 A
 - load voltage: 24, 48, 100 V DC or 240 V AC
 - mounting: PCB or in sockets
- RSR32:
 - load: 2 A
 - max. load voltage: 280 V AC
 - mounting: PCB
- RSR35:
 - load: 0,1...4 A
 - max. load voltage: 28, 58 V DC
 - mounting: PCB
- RSR35-...-RZA:
 - load: 0,05 A
 - max. load voltage: 28,8 V DC
 - universal supply voltage: 110...230 V AC/DC (integrated filter for long lines)
 - mounting: PCB

RSR85



- RSR85:
 - high current 3 A at 24...440 V AC in relation to the small dimensions
 - max. load voltage: 440 V AC (height 27,5 mm), 280 V AC (height 15,7 mm)
 - zero-crossing or random-on switching
 - control voltage: 5, 12, 24 V DC
 - dielectric strength: 4 000 Vrms
 - mounting: THT (through-hole)

RSR45



- RSR45:
 - small dimensions – high load up to 25 A
 - max. load voltage: 440 V AC
 - dielectric strength: 4 000 Vrms
 - equipment: LED indicator
 - terminals (two options): screw terminals, flat insert (connectors for quick installation)
 - mounting: on panel or on heatsinks (space saving compared to standard SSRs)



Solid state relays

RSR52, RSR62



- **RSR52:**
 - load: 10...80 A
 - max. load voltage: 280, 530, 660 V AC (single-phase)
 - dielectric strength: 4 000 Vrms (opto-isolation)
 - equipment: LED indicator
 - mounting: on panel or on heatsinks
 - applications: temperature chamber, injection molding machine, food processing machinery, incubator, oiling machines, HVAC, lighting, fountain controller
- **RSR62:**
 - load: 25...80 A
 - max. load voltage: 530, 660 V AC (three-phase)
 - dielectric strength: 4 000 Vrms (opto-isolation)
 - equipment: LED indicators
 - mounting: on heatsinks
 - applications: motors, temperature control, large oven

RSR72, RSR75



- **RSR72:**
 - integrated with heatsink
 - load: 10...75 A
 - max. load voltage: 280, 530, 660 V AC (single-phase)
 - dielectric strength: 4 000 Vrms (opto-isolation)
 - equipment: LED indicator
 - mounting: on 35 mm rail mount (EN 60715)
- **RSR75:**
 - integrated with heatsink
 - load: 15...25 A
 - max. load voltage: 280, 660 V AC (single-phase)
 - dielectric strength: 4 000 Vrms (opto-isolation)
 - equipment: LED indicator
 - mounting: on 35 mm rail mount (EN 60715)

RSR95



- **RSR95:**
 - load: 7...100 A
 - load voltage: 24...700 V DC
 - dielectric strength: 2 500 Vrms (opto-isolation)
 - equipment: LED indicator
 - mounting: on panel or on heatsinks
 - applications: DC power supplies, motors, fans, heaters, solenoid and electromechanical valves, battery sources, packaging machinery



Power controllers

APPLICATIONS: they are used to regulate the power delivered to the receiver, where this power is proportional to the input control signal. They are used in automation control systems where smooth control of receiver power is required for resistive or resistive-inductive loads. Typical applications for power controllers: heaters, industrial furnaces (annealing, quenching, drying, etc.), dryers, plastics processing equipment, industrial sealing machines, glass production industry, industrial heating systems (matting and lining of pipelines), load transformers.

RSR92, RSR92-...-T

CE ENEC



- **RSR92:**
 - load: 25...80 A
 - max. load voltage: 280, 530 V AC (single-phase)
 - control input: DC voltage 0...10 V DC (RSR92-..V..) or current 4...20 mA (RSR92-..I..)
 - dielectric strength: 4 000 Vrms (opto-isolation)
 - equipment: LED indicator
 - mounting: on panel or on heatsinks
- **RSR92-...-T:**
 - load: 25...80 A
 - max. load voltage: 530 V AC (three-phase)
 - control input: DC voltage 0...10 V DC or current 4...20 mA
 - dielectric strength: 4 000 Vrms (opto-isolation)
 - equipment: LED indicators
 - mounting: on heatsinks