

Klippon® Relay

Power-solid-state relays – Solid-state contactors for cabinet building

Ready to use for DIN rail mounting – Installed on heat sink

The solid-state contactors are a high-performance solution for all industrial segments. Our Power-solid-state relays enable noiseless and wear-free switching of industrial loads, such as large solenoid valves, heating tapes or motors.

Solid-state contactors are power switches without mechanical components. Compared to conventional contactors, they therefore switch wear-free and silently. Thanks to the integrated heat sinks with mounting rail base, they are ready to use for cabinet building. Our Power-solid-state relays are compact (from 17.8 mm width) and powerful. For special applications, we have a variant with a monitoring circuit (current and temperature monitoring) and a variant for switching high DC voltages.



Your special advantages:

- 1-phase and 3-phase solid-state contactors up to 30 A AC and 15 A DC
- Ready to use with integrated heat sink and mounting rail base
- Compact design with a width from 17.8 mm
- Special version for switching high DC voltages
- DC industry ready with the special version up to 1000 V DC
- Special version with monitoring circuit



1- and 3-phase, 30 A AC and 15 A DC

Our portfolio includes three solid-phase solid-state contactors for AC switching voltages up to 600 V AC, 30 A AC, one for DC switching voltages up to 1000 V DC, 15 A DC and a triple-phase solution for AC switching voltages up to 600 V AC, 20 A AC.



Special version with monitoring circuit

Another special variant includes an integrated monitoring circuit for monitoring the switching current. Partial load failures and defective semiconductors are easily recognisable. The temperature of the power semiconductor is also monitored.

Special version for high DC voltages

The special version with DC output enables the switching of high DC voltages up to 1000 V DC. This means that even large inductive DC loads can be switched reliably and silently where normal power relays already fail.



Ready to use with integrated heat sink

Thanks to the integrated heat sink with mounting rail base, our solid-state contactors are quick and easy to install. No complicated calculation and selection of the heat sink and no drilling required.



Spacesaving installation

The single-phase solid-state relays with a width from 17.8 mm (single-phase) save space and simplify wiring. They have the same width as miniature circuit-breakers and can be installed in line under the miniature circuit-breakers.

DC industry ready

Thanks to the switching voltage of up to 1000 V DC, the special version with DC output is also suitable for use in the DC industry segment.

Technical data

Type	Rated control voltage	Contact type	Rated switching voltage	Continuous current @40°C	Qty	Order No.
PSSRN K 24VDC 1Z K 240VAC 20A	3...32 V DC	1 NO contact (Thyristor)	24...230 V AC +10 % -15 %	20 A AC (AC51)	1	2986890000
PSSRN K 24VDC 1Z K 600VAC 30A	4...32 V DC	1 NO contact (Thyristor)	42...600 V AC +10 % -15 %	30 A AC (AC51)	1	2986900000
PSSRN K 24VDC 3Z K 600VAC 20A	5...32 V DC	3 NO contact (Thyristor)	42...600 V AC +10 % -15 %	20 A AC (AC51)	1	2986910000
PSSRN S 24VDC 1M K 600VAC 30A T	4...32 V DC	1 NO contact (Thyristor) with monitoring	42...600 VAC +10 % -15 %	30 A AC (AC51)	1	2986920000
PSSRN K 24VDC 1D K 1000VDC 15A	4,5...32 V DC	1 NO contact (IGBT)	20,4...1000 V DC (IEC) 20,4... 600 V DC (UL)	15 A DC (DC1)	1	2986930000



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