

CONTROL WITH CONFIDENCE: LITTELFUSE ESSENTIAL SOLID-STATE RELAYS



Overview

Littelfuse essential solid-state industrial relays are built to last with compliance to international standards like cRUus, VDE, CE, and UKCA. Whether you need reliable, cost-effective control for heating, industrial automation, or renewable energy, these relays have you covered.

SRP1-CC Series	SRP1-CE Series	SRP1-ME Series
 DC output SSRs are versatile and can be used to control various types of loads, including resistive loads such as heating elements, and inductive loads like DC motors and valves. ■ MOSFET technology ■ Compliance with international standards ■ Cost-effective with reliable performance Applications: ■ DC heaters ■ Solenoid valves ■ Fans and electric motors ■ Battery connection/disconnection ■ Packaging machinery ■ Medical & test equipment	 Affordable solution for controlling simple heating applications. ■ Zero Cross Switching ■ Compliance with international standards ■ Cost-effective with reliable performance Applications: ■ Cooking ovens & hot drinks dispensers ■ Commercial fryers and food warmers ■ Air handlers and other HVAC equipment ■ Plastic & packaging machinery ■ Industrial ovens & electronics production equipment ■ Heating in industrial automation	 Affordable solution for controlling simple heating applications. ■ Zero Cross Switching ■ Compliance with international standards ■ Uses back-to-back SCRs for high quality and reliability Applications: ■ Coffee machines ■ Cooking ovens ■ Hot drinks dispensers ■ Commercial fryers ■ Cooking suites ■ Commercial toasters

Available Parts

	Catalog Number*	Output Max Current	Output Voltage	Output Switching Style	Output Overvoltage Protection	Input Voltage Range	Compliance
 SRP1-CC DC Output Applications	SRP1-CCDDV-020NC-N	20A	100 VDC	DC	-	4-32 V DC	сЯUus, CE
	SRP1-CCDDL-020NC-N	20A	200 VDC	DC	-	4-32 V DC	сЯUus, CE
	SRP1-CCDDV-040NC-N	40A	100 VDC	DC	-	4-32 V DC	сЯUus, CE
	SRP1-CCDDL-040NC-N	40A	200 VDC	DC	-	4-32 V DC	сЯUus, CE
 SRP1-CE IP20 Removable Cover	SRP1-CEDZL-010NC-N	10 A	12-280 V AC	Zero Cross	-	4-32 V DC	сЯUus, VDE, CE, UKCA
	SRP1-CEDZL-020NC-N	20 A	12-280 V AC	Zero Cross	-	4-32 V DC	сЯUus, VDE, CE, UKCA
	SRP1-CEDZL-040NC-N	40 A	12-280 V AC	Zero Cross	-	4-32 V DC	сЯUus, VDE, CE, UKCA
	SRP1-CEDZM-050NC-N	50 A	24-660 V AC	Zero Cross	-	4-32 V DC	сЯUus, VDE, CE, UKCA
	SRP1-CEDZM-070NC-N	70 A	24-660 V AC	Zero Cross	-	4-32 V DC	сЯUus, VDE, CE, UKCA
	SRP1-CEDZM-080NC-N	80A	24-660 V AC	Zero Cross	-	4-32 V DC	сЯUus, VDE, CE, UKCA
 SRP1-ME Compact Design	SRP1-MEDZL-025NF-N	25A	12-280 V AC	Zero Cross	VDC	4-30 V DC	сЯUus, VDE, CE

*For Heating Control

For more information and detailed datasheets, visit [Littelfuse.com/IndustrialSolidStateRelays](https://www.littelfuse.com/IndustrialSolidStateRelays).

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