

**Zelio™ SSRP and SSRD Relays**

Zelio SSRP and SSRD relays do not have any moving parts to wear out. Combined with vibration resistance, arc-less switching and the lack of acoustical noise, solid state relays are the ideal product for switching applications that demand reliable execution. For added reliability, the Zelio SSRP and SSRD solid state relays use Direct Copper Bonding (DCB) technology to decrease internal temperatures and improve the overall quality of the product. The SSR solid state relay range comprises:

- Relays for DIN rail mounting: SSRD
- Relays for panel mounting: SSRP

Key features include:

- Input voltage range 3–32 Vdc, 90–280 Vac
- Breaking capacities up to 125 A
- Zero voltage turn on, low EMI/RFI
- No moving parts
- Shock and vibration resistant
- No acoustical noise
- Fast response
- Arc-less switching
- Long life (>10<sup>9</sup> operations typical)

Refer to [Online Relay Configurator](#).



SSRPCDS25A1



SSRDCDS10A1



SSRDCDS45A1



SSRAH1

**Table 23.118: SSRP Single Channel Solid State Relays (sold in lots of 1)**

Switching	Input Voltage	Output Voltage	Contact Configuration	Load Current Range	Catalog Number [2]
DC switching	3.5–32 Vdc	0–100 Vdc	SPST N.O. (1 N/O)	12	SSRPCDM12D5
			SPST N.O. (1 N/O)	25	SSRPCDM25D5
			SPST N.O. (1 N/O)	40	SSRPCDM40D5
Zero voltage switching	3–32 Vdc	24–280 Vac	SPST N.O. (1 N/O)	10	SSRPCDS10A1
			SPST N.O. (1 N/O)	25	SSRPCDS25A1
			SPST N.O. (1 N/O)	50	SSRPCDS50A1
	4–32 Vdc	48–530 Vac	SPST N.O. (1 N/O)	75	SSRPCDS75A2
			SPST N.O. (1 N/O)	90	SSRPCDS90A3
			SPST N.O. (1 N/O)	125	SSRPCDS125A3
	90–280 Vdc	24–280 Vac	SPST N.O. (1 N/O)	10	SSRPP8S10A1
			SPST N.O. (1 N/O)	25	SSRPP8S25A1
		48–530 Vac	SPST N.O. (1 N/O)	50	SSRPP8S50A1
			SPST N.O. (1 N/O)	75	SSRPP8S75A2
		48–660 Vac	SPST N.O. (1 N/O)	90	SSRPP8S90A3
			SPST N.O. (1 N/O)	125	SSRPP8S125A3

**Table 23.119: SSRD Single Channel Solid State Relays (sold in lots of 1)**

Switching	Input Voltage	Output Voltage	Contact Configuration	Load Current Range	Catalog Number
Zero voltage switching	90–280 Vac	24–280 Vac	SPST N.O. (1 N/O)	10	SSRDP8S10A1
			SPST N.O. (1 N/O)	20	SSRDP8S20A1
			SPST N.O. (1 N/O)	30	SSRDP8S30A1
	90–140 Vac	24–280 Vac	SPST N.O. (1 N/O)	45	SSRDF8S45A1
	4–32 Vdc	24–280 Vac	SPST N.O. (1 N/O)	10	SSRDCDS10A1
			SPST N.O. (1 N/O)	20	SSRDCDS20A1
			SPST N.O. (1 N/O)	30	SSRDCDS30A1
	3–32 Vdc	24–280 Vac	SPST N.O. (1 N/O)	45	SSRDCDS45A1

**Approvals for SSRP and SSRD Relays**



File: E258297  
CCN: NRNT2,  
NRNT8



File: 230765  
Class: 3211 07



RoHS  
Compliant

[2] See Table 23.121 for accessories.