



SSP1D425BD



SSM1A120M7



SSM1A445BD



SSRHP07

Harmony™ SSL, SSM and SSP

Harmony SSL, SSM and SSP 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 Harmony SSL, SSM and SSP 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 (>10⁹ operations typical)

Refer to [Online EZ Selector](#).

Table 23.71: Pre-assembled solid state slim relays

Relays mounted on screw sockets (sold in lots of 30)					
1 NO contact Switching	Voltage Range		Load Current Range	Reference	Weight kg/lb
	Control Input V	Load Output V			
DC Switching	4 to 12	1 to 24	3.5	SSL1D03JDPV (SSL1D03JD + SSLZVA1)	0.033/0.073
	4 to 12	1 to 48	0.1	SSL1D101JDPV (SSL1D101JD + SSLZVA1)	0.033/0.073
Zero voltage switching	4 to 12	24 to 250	2	SSL1A12JDPV (SSL1A12JD+SSLZVA1)	0.033/0.073
Random switching	4 to 12	24 to 250	2	SSL1A12JDRPV (SSL1A12JDR + SSLZVA1)	0.033/0.073
DC Switching	16 to 30	1 to 24	3.5	SSL1D03BDPV (SSL1D03BD+SSLZVA1)	0.033/0.073
	16 to 30	1 to 48	0.1	SSL1D101BDPV (SSL1D101BD + SSLZVA1)	0.033/0.073
Zero voltage switching	16 to 30	24 to 250	2	SSL1A12BDPV (SSL1A12BD+SSLZVA1)	0.033/0.073
Random switching	16 to 30	24 to 250	2	SSL1A12BDRPV (SSL1A12BDR + SSLZVA1)	0.033/0.073
Relays mounted on spring sockets (sold in lots of 30)					
DC Switching	4 to 12	1 to 24	3.5	SSL1D03JDPR (SSL1D03JD+SSLZRA1)	0.033/0.073
	4 to 12	1 to 48	0.1	SSL1D101JDPR (SSL1D101JD + SSLZRA1)	0.033/0.073
Zero voltage switching	4 to 12	24 to 250	2	SSL1A12JDPR (SSL1A12JD+SSLZRA1)	0.033/0.073
Random switching	4 to 12	24 to 250	2	SSL1A12JDRPR (SSL1A12JDR + SSLZRA1)	0.033/0.073
DC Switching	16 to 30	1 to 24	3.5	SSL1D03BDPR (SSL1D03BD + SSLZRA1)	0.033/0.073
	16 to 30	1 to 48	0.1	SSL1D101BDPR (SSL1D101BD + SSLZRA1)	0.033/0.073
Zero voltage switching	16 to 30	24 to 250	2	SSL1A12BDPR (SSL1A12BD + SSLZRA1)	0.033/0.073
Random switching	16 to 30	24 to 250	2	SSL1A12BDRPR (SSL1A12BDR + SSLZRA1)	0.033/0.073