

43044 Business Park Drive, Temecula, CA 92590 USA
Local & outside the USA: (951) 695-3000
Toll-Free within the USA: (800) 321-6786
Fax: (951) 695-3095
Email: sales@opto22.com

240D45



240 VAC, 45 Amp, DC Control Solid State Relay (SSR)

\$35.00 USD

Price in USA and Canada Only

Availability: In Stock

Add to Cart >



Description Specifications Documents Downloads

240 Volt Solid State Relays

Optical Isolation Input to Output	4,000 V
Turn-on Voltage	Zero
Turn-on Time	½ cycle maximum
Turn-off Time	½ cycle maximum
Operating Frequency	25 to 65 Hz (operates at 400 Hz with six times off-state leakage)
Coupling Capacitance Input to Output	8 pF maximum
DV/DT Off-state	200 volts per microsecond
DV/DT Commutating	Snubbed for rated current at 0.5 power factor

	240D3	240D10	240Di10	240D25	240Di25	240D45	240Di45
Nominal AC Line Voltage	240	240	240	240	240	240	240
Nominal Current Rating (Amps)	3	10	10	25	25	45	45
1 cycle Surge (Amps) Peak	85	110	110	250	250	650	650
Nominal Signal Input Resistance (Ohms)	1000	1000	730	1000	730	1000	730
Signal Pick-up Voltage	3VDC (32V allowed)	3VDC (32V allowed)	3VDC (32V allowed)	3VDC (32V allowed)	3VDC (32V allowed)	3VDC (32V allowed)	3VDC (32V allowed)
Signal Drop-out Voltage	1 VDC	1 VDC	1 VDC	1 VDC	1 VDC	1 VDC	1 VDC
Peak Repetitive Voltage Maximum	600	600	600	600	600	600	600
Maximum Output Voltage Drop	1.6 volts	1.6 volts	1.6 volts	1.6 volts	1.6 volts	1.6 volts	1.6 volts
Off-State Leakage (mA) Maximum	5 mA	14 mA	14 mA	14 mA	14 mA	14 mA	14 mA
Operating Voltage Range (Volts AC)	24–280	24–280	24–280	24–280	12–280	24–280	24–280
I^2t Rating t=8.3 (ms)	30	50	50	250	250	1750	1750
Isolation Voltage	4,000V _{RMS}	4,000V _{RMS}	4,000V _{RMS}	4,000V _{RMS}	4,000V _{RMS}	4,000V _{RMS}	4,000V _{RMS}
qjc* (°C/Watt)	11	1.3	1.3	1.2	1.2	0.67	0.67
Dissipation (Watts/Amp)	1.7	1.6	1.6	1.3	1.3	0.9	0.9
Notes: qjc* = Thermal resistance junction to base. Maximum junction temperature is 110 °C.							