

SKEBD



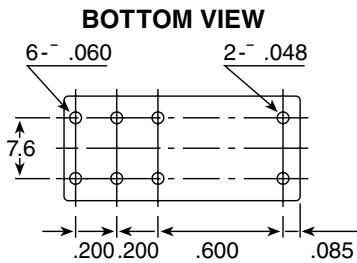
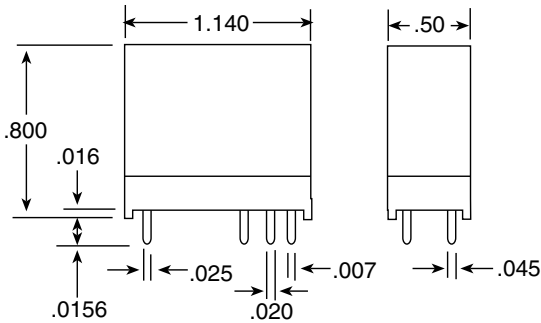
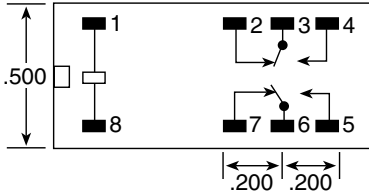
SKEBD-1C



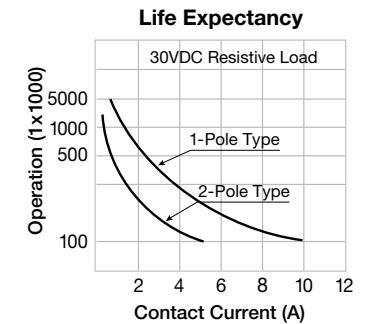
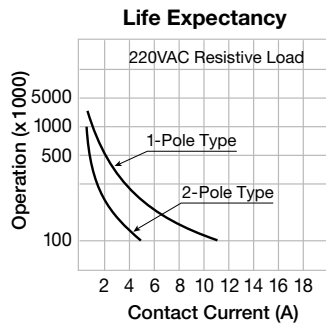
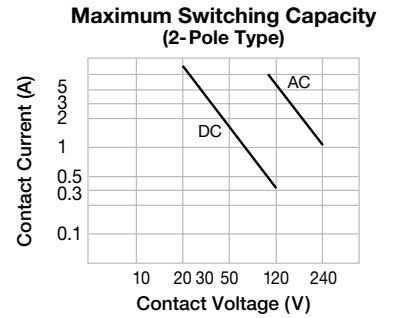
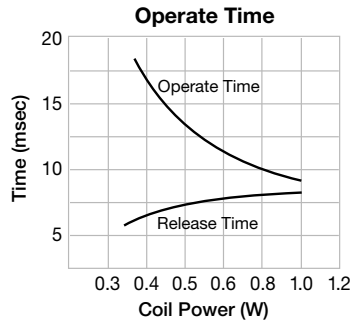
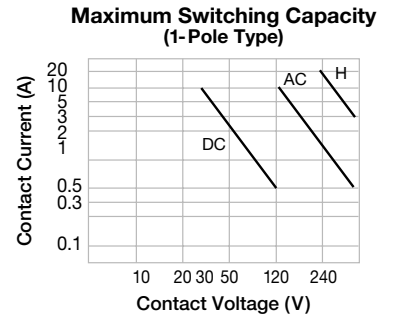
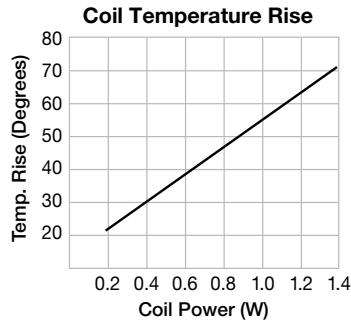
SKEBD-2C



SKEBD-2C



Reference Data



sky
electronics
INTERNATIONAL

Performance (At Initial Voltage)

ITEM	TYPE
	SKEBD
Contact Resistance	100 mΩ Max.
Operate Time	20 mSec. Max.
Release Time	8 mSec. Max.
Dielectric Strength: Between Coil and Contact Between Contacts	5000 VAC at 50 Hz 1000 VAC at 50 Hz
Surge Resistance	10,000 V (between coil and contact 1.2 x 50 μsec)
Insulation Resistance	100 MΩ Min. at 500 VDC
Max. ON/OFF Switching: Mechanically Electrically	30 operations/min. 300 operations/min.
Operating Ambient Temperature	-30° C to 55° C
Operating Humidity	45% to 85% RH
Coil Temperature Rise	45° C Max.
Vibration: Endurance Error Operation	10 to 55 Hz Dual Amplitude 1.5 mm 10 to 55 Hz Dual Amplitude 1.5 mm
Shock: Endurance Error Operation	1000m/S ² Min. 100m/S ² Min.
Life Expectancy: Mechanically Electrically	10 ⁷ operations/min. (no load) 10 ⁵ operations/min. (at rated load)
Weight	13.2 grams

SKEBD

Coil Specification (At 20° C)

Type	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) ±10%	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
SKEBD	3	176.5	17	About 0.54	80% Maximum	5% Minimum	130%
	5	106.4	47				
	6	88	68				
	9	58	155				
	12	44.4	270				
	24	21.8	1100				
	48	10.9	4400				

Contact Rating

ITEM	TYPE
	SKEBD
Contact Capacity Resistive Load (Cos. φ = 1) Inductive Load (Cos. φ = 0.4 L/R = 7 msec.)	See Chart See Chart
Rated Carrying Current	16A
Max. Allowable Voltage	DC 110 V, AC 240 V
Max. Allowable Current	Std: 16A
Max. Allowable Power Force	Std: 3800 VA, 600 W
Referential Min. Applicable Load	10 mA; 10 VDC
Contact Material	AgSnO ₂

Ordering Information

SKEBD 1C 12VDC

Coil Voltage
See coil specifications for available voltages. Other voltages available as special orders.

Contact Configuration
1C, 2C