PCK series

Slim 16 Amp Miniature Power PC Board Relay

Appliances, HVAC, Office Machines.

91 UL File No. E82292 **(b)** CSA File No. LR48471

Users should thoroughly review the technical data before selecting a product part number. It is recommended that user also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

Coil Data @ 20°C

РСК										
Rated Coil	Nominal	Coil	Must Operate	Must Release						
Voltage	Current	Resistance	Voltage	Voltage						
(VDC)	(mA)	(ohms) ± 10%	(VDC)	(VDC)						
5	100.0	50.0	3.75	0.25						
6	83.3	72.0	4.50	0.30						
9	55.6	162.0	6.75	0.45						
12	41.7	288.0	9.00	0.60						
18	27.8	648.0	13.50	0.90						
24	20.9	1,150.0	18.00	1.20						

Operate Data @ 20°C

Must Operate Voltage: 75% of nominal voltage or less. Must Release Voltage: 5% of nominal voltage or more. Operate Time: 20ms max. Release Time: 10ms max.

Environmental Data

Temperature Range: Operating: -30°C to +70°C. Vibration, Mechanical: 10 to 55Hz., 1.5mm double amplitude. Operational: 10 to 55Hz., 1.5mm double amplitude. Shock, Mechanical: 1000m/s² (10G approximately). Operational: 100m/s² (10G approximately). Operating Humidity: 20 to 85% RH. (Non-condensing).

Mechanical Data

Termination: Printed circuit terminals with quick connect terminals. Enclosure: Vented (Flux-tight) plastic cover. Weight: 0.46 oz (13g) approximately.

DEG + 12V = PCK-112D2M + 15A 277V-Res. SIY C

Features

- · Slim outline to save board space.
- 1 Form A contact arrangement.
- Quick connect terminal type.
- Meet 5,000V dielectric voltage between coil and contacts.
- Meet 10,000V surge voltage between coil and contacts.

Contact Data @ 20°C

Arrangements: 1 Form A (SPST-NO). Material: AgSnO.

Max. Switching Rate: 300ops./ min. (no load). 20ops./ min. (rated load). Expected Mechanical Life: 2 million ops (no load). Expected Electrical Life: 100,000 ops (rated load). Minimum Load: 100mA @ 5VDC. Initial Contact Resistance: 100 milliohms @ 1A, 6VDC.

Contact Ratings

Ratings: 16A @ 250VAC resistive. 16A @ 24VDC resistive. Max. Switched Voltage: AC: 277V. DC: 24V. Max. Switched Current: 16A. Max. Switched Power: 4,000VA, 385W.

Initial Dielectric Strength

Between Open Contacts: 1,000VAC, 50/60 Hz. (1 min.). Between Contacts and Coil: 5,000VAC, 50/60 Hz. (1 min.). Surge Voltage Between Coil and Contacts: 10,000V (1.2/50µs).

Initial Insulation Resistance

Between Mutually Insulated Conductors: 1,000Mohm @ 500VDC.

Coil Data

Voltage: 5 to 24VDC. Duty Cycle: Continuous. Nominal Power: 500mW. Max. Coil Power: 130% of nominal at 20°C.

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		Typical Part Number 🕨	PCK	-1	12	D	2	Μ	,000
1. Basic Series: PCK = 16A PC board terminals			-						
2. Termination: 1 = 1 pole									
	9 = 9VDC 2 = 12VDC	18 = 18VDC 24 = 24VDC							
4. Coil Input: D = Standard									
5. Contact Material: 2 = AgSnO									
6. Contact Arranger M = 1 Form A (SPS								-	
7. Suffix: ,000 = Standard mo	odel	Other Suffix = Custom model							-

Our authorized distributors are more likely to maintain the following items in stock for immediate delivery. None at present.

