



FEATURES

- Load Current 1.2 or 1.5 Amp
- Load Output Range 48-280VAC
- DC Input: 5 V, 12 V or 24 V
- Optional RC Snubber

PRODUCT OBSOLESCENCE NOTIFICATION

This product has been discontinued.

Please contact

CIT Relay & Switch for more information.

INPUT PARAMETERS (Ta = 25°C)

Control Voltage Range	5	4 - 6 VDC
	12	9.6 - 14.4 VDC
Must Operate Voltage	24	19.2 - 28.8 VDC
	15	12.0 VDC
Must Release Voltage	24	1.0 VDC
	15	1.0 VDC
Maximum Input Current	5	20 mA
Input Resistance	5	270 Ω
	12	750 Ω
	24	1,640 Ω

OUTPUT PARAMETERS (Ta = 25°C)

Load Voltage Range	48 VAC to 280 VAC	
Load Current Range	0.1 A to 1.5 A	
Max. Surge Current (10ms)	25 Apk	
Max. Load Current	1.5 mA	
Max. Control Voltage Drop	1.5 Vrms	
Max. Turn-On Time	Zero Cross	1/2 Cycle + 1 ms
	Random	1 ms
Max. Turn-Off Time	1/2 Cycle + 1 ms	
Max. Transient Overvoltage	600 Vpk	
Off-State dv/dt	200 V/us	
Max Zero-Cross Overvoltage	± 15 V	
Min. Power Factor	0.5	
Max. I ² t for Fusing (10ms)	3.1 A ² s	

CHARACTERISTICS

Dielectric Strength (Input to Output)	2,000 VAC, 50 Hz/60 Hz, 1 min
Insulation Resistance	1,000 MΩ at 500 VDC
Vibration Resistance	100 Hz, 55 Hz/1 mm/s ² A
Shock Resistance	500 g

ORDERING INFORMATION

Example:	PCS20	-12D	-240A	-2	Z	T	-241
Model:	PCS20						
Control Voltage:	5, 12, 24 VDC						
Load Voltage:	48-280 VAC						
Load Current:	1.2: 1.2 Amp, 1.5: 1.5 Amp						
Switching Type:	Z: Zero Crossing, R: Random Turn-On						
RC Snubber:	Nil: Without RC Snubber, S*: With RC Snubber						
Pin Spacing:	Nil: 3-3-1mm, 241: 2-4-1mm						

Note: PCS20 with Snubber is not UL Recognized

Box Quantity: 5,000; Inner Box: 50