

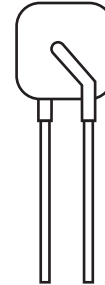
Poly Switch PPTC (Polymeric Positive Temperature Coefficient) Resettable Fuse Capacitor Type PS16

Δ Feature:

- Direct Fuse Replacement in DC Circuits
- Auto Reset (when power is cycled)
- Crossover with Raychem and Bourns

Δ Application:

- Energy-Saving Lamps, Ballast, Loudspeakers, Power Supply,
- Motor, Fans, Compressor and other power related applications.



Δ Electrical Characteristics

Model	Vmax (V)	Ro (Ω)	IT (A)	TT (S)	IH (A)	Imax (A)	τc (S)
PS16-300	16	0.034-0.105	5.1	≤2.0	3.0	100	≤60
PS16-400	16	0.020-0.063	6.8	≤3.5	4.0	100	≤60
PS16-500	16	0.014-0.044	8.5	≤0.4	5.0	100	≤60
PS16-600	16	0.009-0.030	10.2	≤5.8	6.0	100	≤60
PS16-700	16	0.006-0.021	11.9	≤8.0	7.0	100	≤60
PS16-800	16	0.005-0.018	13.6	≤9.0	8.0	100	≤60
PS16-900	16	0.004-0.015	15.3	≤12.0	9.0	100	≤60
PS16-1000	16	0.003-0.012	17.0	≤12.5	10.0	100	≤60
PS16-1100	16	0.003-0.010	18.7	≤13.5*	11.0	101	≤60
PS16-1200	16	0.002-0.009	20.4	≤16.0	12.0	100	≤60
PS16-1400	16	0.002-0.008	23.8	≤20.0	14.0	100	≤60

* Devices tested at 60A. The others tested at 5IH.

Legend

IH(A): Hold current: maximum current at which the device will not trip at 25°C still air

IT(A): Tripping current: minimum current at which the device will trip at 25°C under specified conditions.

TT(S): Maximum time to trip at specified current. (generally at 5IH)

Vmax(V): Maximum device operating voltage.

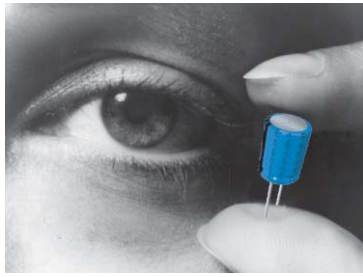
Imax(A): Maximum fault current device can withstand without damage at rated voltage.

Pdtyp(W): Typical power dissipation: Typical amount of power dissipated by the device when in tripped state air environment.

Ro(Ω): Minimum-maximum device resistance at 25° prior to tripping.

Δ Typical T-I Derating Form

Model	Ambient Temperature (°C)								
	-40	-20	0	25	40	50	60	70	85
PS16-300	4.4	4.0	3.6	3.0	2.6	2.4	2.1	1.9	1.4
PS16-400	5.9	5.3	4.8	4.0	3.5	3.2	2.8	2.5	1.9
PS16-500	7.3	6.6	6.0	5.0	4.4	4.0	3.6	3.1	2.4
PS16-600	8.8	8.0	7.2	6.0	5.2	4.8	4.2	3.8	2.8
PS16-700	10.3	9.3	8.4	7.0	6.2	5.6	5.0	4.4	3.3
PS16-800	11.7	10.7	9.6	8.0	6.9	6.4	5.6	5.1	3.7
PS16-900	13.2	11.9	10.7	9.0	7.9	7.2	6.4	5.6	4.2
PS16-1000	14.7	13.3	12.0	10.0	8.7	8.0	7.0	6.3	4.7
PS16-1100	16.1	14.6	13.1	11.0	9.7	8.8	7.8	6.9	5.2
PS16-1200	17.6	16.0	14.4	12.0	10.4	9.6	8.4	7.6	5.6
PS16-1400	20.5	18.7	16.8	14.0	12.1	11.2	9.8	8.9	6.5



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Fixed Component Capacitors

Δ Dimensions

Model	Amax (mm)	Bmax (mm)	Cmax (mm)	Dtyp (mm)	Diameter of Lead (mm)
PS16-300	8.0	12.0	3.1	5.1	Φ0.8
PS16-400	10.0	14.0	3.1	5.1	Φ0.8
PS16-500	11.5	14.0	3.1	5.1	Φ0.8
PS16-600	11.5	17.0	3.1	5.1	Φ0.8
PS16-700	12.0	20.0	3.1	5.1	Φ0.8
PS16-800	13.5	21.5	3.1	5.1	Φ0.8
PS16-900	15.0	21.5	3.1	5.1	Φ0.8
PS16-1000	17.5	25.0	3.1	5.1	Φ0.8
PS16-1100	18.5	27.0	3.1	5.1	Φ0.8
PS16-1200	18.5	29.0	3.6	10.2	Φ1.0
PS16-1400	29.0	29.0	3.6	10.2	Φ1.0

