

Radial Leaded PTC Resettable Fuse

multicomp PRO

**RoHS
Compliant**



Applications

Line Voltage Power Supply, Transformer and Appliances

Features

- Low hold current, solid state, Radial leaded product ideal for up to 265V AC/DC.
- Operation Current from 0.05A to 2A
- Maximum Voltage 240V AC/DC
- Maximum Interrupt Voltage 265V AC/DC
- Temperature range: -40°C to +85°C for MC011373 to MC011380
-20°C to +85°C for MC011381 to MC011385

Electrical Characteristics (23°C)

Part Number	Hold Current	Trip Current	Max. Time to trip	Max. Current	Rated Voltage	Max. Int. Voltage	Typ. Power	Resistance	
	I _H , A	I _T , A	at 5×I _H , S	I _{MAX} , A	V _{MAX} , V AC/DC	V _{I-MAX} , V AC/DC	P _d , W	R _{MIN} Ω	R _{1MAX} Ω
MC011373	0.05	0.12	15	1	240	265	0.7	18.5	65
MC011374	0.08	0.19	15	1.2	240	265	0.8	7.4	26
MC011375	0.12	0.3	15	1.2	240	265	1	3	12
MC011376	0.16	0.37	15	2	240	265	1.4	2.5	7.8
MC011377	0.25	0.56	18.5	3.5	240	265	1.5	1.3	3.8
MC011378	0.33	0.74	21	4.5	240	265	1.7	0.83	2.6
MC011379	0.4	0.9	24	5.5	240	265	2	0.6	1.9
MC011380	0.55	1.25	26	7	240	265	3.4	0.45	1.45
MC011381	0.75	1.5	18	7.5	240	265	2.6	0.32	0.84
MC011382	1	2	21	10	240	265	2.9	0.22	0.58
MC011383	1.25	2.5	23	12.5	240	265	3.3	0.17	0.44
MC011384	1.5	3	23	15	240	265	3.7	0.12	0.32
MC011385	2	4	28	20	240	265	4.5	0.09	0.22

I_H = Hold current-maximum current at which the device will not trip at 23°C still air.

I_T = Trip current-minimum current at which the device will always trip at 23°C still air.

V_{MAX} = Maximum voltage device can withstand without damage at its rated current.

I_{MAX} = Maximum fault current device can withstand without damage at rated voltage (V max).

P_d = Typical power dissipated from device when in the tripped state in 23°C still air environment.

R_{MIN} = Minimum device resistance at 23°C.

R_{1MAX} = Maximum device resistance at 23°C 1 hour after tripping.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

multicomp PRO

Radial Leaded PTC Resettable Fuse

multicomp PRO

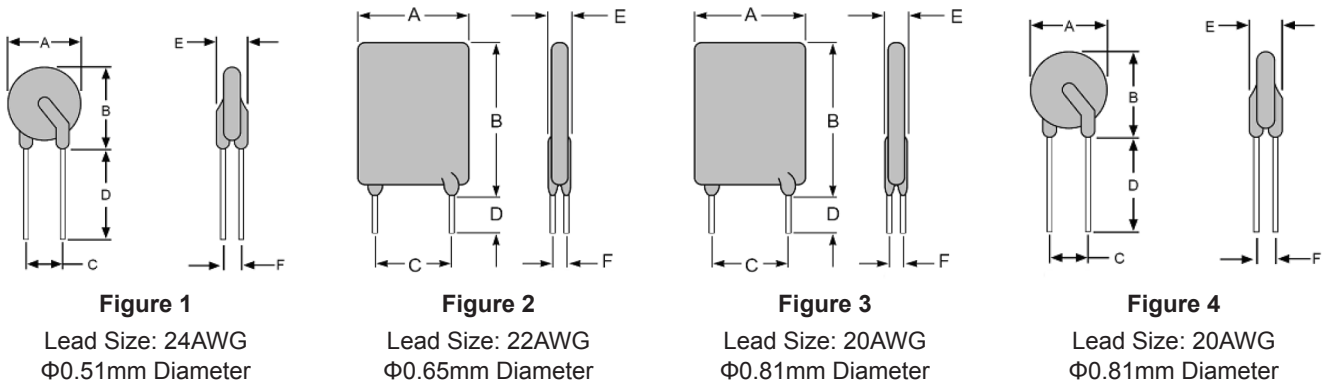
Physical Specifications

Lead Material : MC011373, MC011374, MC011375 & MC011376 - Electrolytic tin plated copper, 24AWG.
 MC011377, MC011378 & MC011379 - Electrolytic tin plated copper, 22AWG.
 MC011380, MC011381, MC011382, MC011383, MC011384 & MC011385 - Electrolytic tin plated copper, 20AWG.

Soldering Characteristics : MIL-STD-202, Method 208E.

Insulating Coating : Flame retardant epoxy, meets UL-94V-0 requirement.

Dimensions



Part Number	Figure	A	B	C	D	E	F
		Maximum	Maximum	Typical	Minimum	Maximum	Typical
MC011373	1	8.3	10.7	5.1	7.6	3.8	1.6
MC011374	1	8.3	10.7	5.1	7.6	3.8	1.6
MC011375	1	8.3	10.7	5.1	7.6	3.8	1.6
MC011376	1	9.9	12.5	5.1	7.6	3.8	1.6
MC011377	2	9.6	17.4	5.1	7.6	3.8	1.8
MC011378	2	11.4	16.5	5.1	7.6	3.8	1.8
MC011379	2	11.5	19.5	5.1	7.6	3.8	1.8
MC011380	3	14	21.7	5.1	7.6	4.1	1.9
MC011381	3	11.5	23.4	5.1	7.6	4.8	1.9
MC011382	4	18.7	24.4	10.2	7.6	5.1	1.9
MC011383	4	21.2	27.4	10.2	7.6	5.3	1.9
MC011384	4	23.4	30.9	10.2	7.6	5.3	1.9
MC011385	3	24.9	33.8	10.2	7.6	6.1	1.9

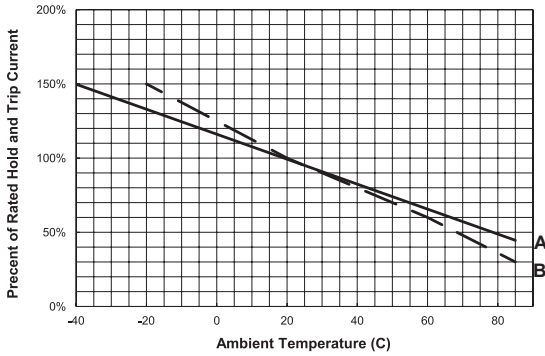
Dimensions : Millimetres

Newark.com/exclusive-brands
 Farnell.com/exclusive-brands
 Element14.com/exclusive-brands

multicomp PRO

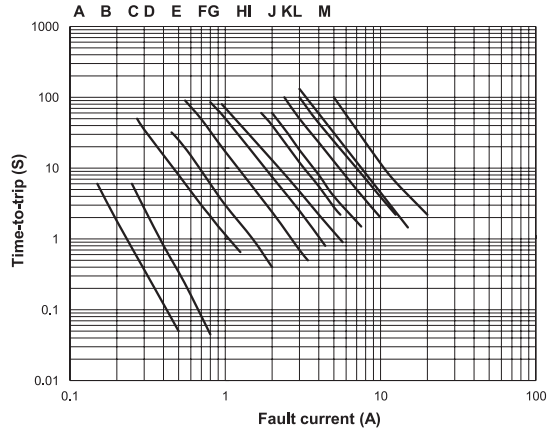
Radial Leaded PTC Resettable Fuse

Thermal Derating Curve



- A:** MC011373
MC011374
MC011375
MC011376
MC011377
MC011378
MC011379
MC011380
- B:** MC011381
MC011382
MC011383
MC011384
MC011385

Typical Time-To-Trip at 23°C



- A =** MC011373
- B =** MC011374
- C =** MC011375
- D =** MC011376
- E =** MC011377
- F =** MC011378
- G =** MC011379
- H =** MC011380
- I =** MC011381
- J =** MC011382
- K =** MC011383
- L =** MC011384
- M =** MC011385

Part Number Table

Description	Part Number
PTC Resettable Fuse, 0.05A, 240V AC/DC, Through Hole	MC011373
PTC Resettable Fuse, 0.08A, 240V AC/DC, Through Hole	MC011374
PTC Resettable Fuse, 0.12A, 240V AC/DC, Through Hole	MC011375
PTC Resettable Fuse, 0.16A, 240V AC/DC, Through Hole	MC011376
PTC Resettable Fuse, 0.25A, 240V AC/DC, Through Hole	MC011377
PTC Resettable Fuse, 0.33A, 240V AC/DC, Through Hole	MC011378
PTC Resettable Fuse, 0.4A, 240V AC/DC, Through Hole	MC011379
PTC Resettable Fuse, 0.55A, 240V AC/DC, Through Hole	MC011380
PTC Resettable Fuse, 0.75A, 240V AC/DC, Through Hole	MC011381
PTC Resettable Fuse, 1A, 240V AC/DC, Through Hole	MC011382
PTC Resettable Fuse, 1.25A, 240V AC/DC, Through Hole	MC011383
PTC Resettable Fuse, 1.5A, 240V AC/DC, Through Hole	MC011384
PTC Resettable Fuse, 2A, 240V AC/DC, Through Hole	MC011385

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.