

## NTC Thermistors, Inrush Current Limiters


**RoHS**  
COMPLIAN

### FEATURES

- Designed to withstand high steady-state current
- Absorbs and minimizes high input energy
- Cost effective one component solution to inrush current
- Wide temperature range of operation

### APPLICATIONS

- AC motors
- Transformers
- Power supply / inverters

### DESCRIPTION

The NTC thermistor inrush current limiters have become the industry standard to reduce inrush current across the electronics industry. With the development of the MM series, the inrush current limiters can now take on industrial-strength high power inrush current inrush for high power industrial applications.

### DIN KIT

Part can be ordered with the mounting DIN accessory by including the suffix "DIN" in the part number.

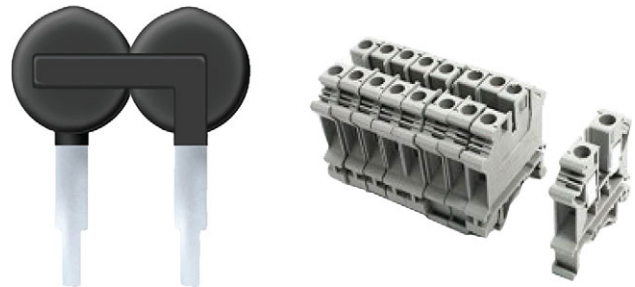
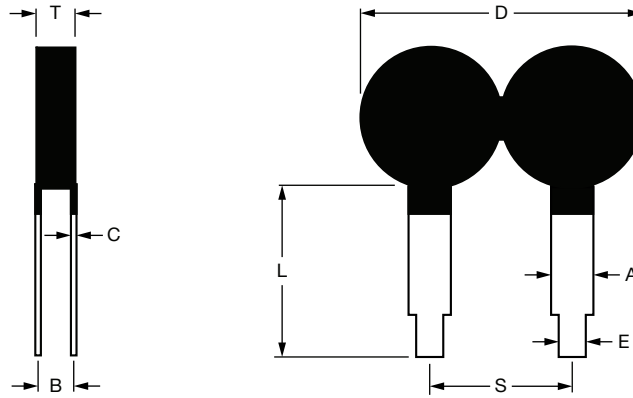


Fig. 1 - MM35-DIN and DIN Blocks Kit

QUICK REFERENCE DATA						
PART NUMBER	RESISTANCE AT 25 °C ( $R_{25}$ ) ( $\Omega$ )	TOLERANCE ON $R_{25}$ VALUE (%)	MAX. STEADY-STATE CURRENT UP TO 65 °C (A)	MAX. RECOMMENDED ENERGY RATING (J)	MAX. VOLTAGE ( $V_{AC}$ )	MAX. CAPACITANCE AT 120 $V_{AC}$ ( $\mu F$ )
MM350R280	0.2	± 25	80	1200	680	80 000
MM350R280DIN	0.2	± 25	80	1200	680	80 000
MM350R560	0.5	± 25	60	1200	680	80 000
MM350R560DIN	0.5	± 25	60	1200	680	80 000
MM351R050	1	± 25	50	1200	680	80 000
MM351R050DIN	1	± 25	50	1200	680	80 000
MM351R550	1.5	± 25	50	1200	680	80 000
MM351R550DIN	1.5	± 25	50	1200	680	80 000

**ELECTRICAL SPECIFICATIONS**

PART NUMBER	RESISTANCE AT 100 % MAX. CURRENT ( $\Omega$ )	RESISTANCE AT 50 % MAX. CURRENT ( $\Omega$ )	BODY TEMP. AT 100 % MAX. CURRENT ( $^{\circ}\text{C}$ )	DISSIPATION FACTOR ( $\text{mW}/^{\circ}\text{C}$ )	THERMAL TIME CONSTANT (s)	MATERIAL TYPE (FOR BETA AND CURVE)
MM350R280	0.004	0.011	214	174	228	B
MM350R280DIN	0.004	0.011	214	174	228	B
MM350R560	0.006	0.012	203	174	228	B
MM350R560DIN	0.006	0.012	203	174	228	B
MM351R050	0.010	0.030	214	174	228	B
MM351R050DIN	0.010	0.030	214	174	228	B
MM351R550	0.010	0.030	208	174	228	B
MM351R550DIN	0.010	0.030	208	174	228	B

**MECHANICAL SPECIFICATIONS** in millimeters


PART NUMBER	A	B	C	D	E	L	S	T	LEAD STYLE
MM350R280	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	38.5 nom.	34.0 nom.	8.5 max.	Straight
MM350R280DIN	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	38.5 nom.	34.0 nom.	8.5 max.	Straight
MM350R560	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	40.0 nom.	34.0 nom.	9.5 max.	Straight
MM350R560DIN	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	40.0 nom.	34.0 nom.	9.5 max.	Straight
MM351R050	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	38.5 nom.	34.0 nom.	8.5 max.	Straight
MM351R050DIN	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	38.5 nom.	34.0 nom.	8.5 max.	Straight
MM351R550	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	38.5 nom.	34.0 nom.	8.5 max.	Straight
MM351R550DIN	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	38.5 nom.	34.0 nom.	8.5 max.	Straight



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