

DESCRIPTION

The MS3000TH is a terminal block type shunt resistor.

ORDERING CODE

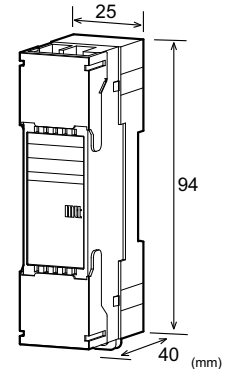
Model _____ **MS3000TH** -

Resistance _____

10: 10Ω
50: 50Ω
100: 100Ω
250: 250Ω
500: 500Ω
1k: 1kΩ
Z: Other resistance

Options _____

No code: None
/H: Polyurethane conformal coating
/X: Others (Special order)
* For non-standard options, ask MTT for availability.



PHYSICAL

Installation	DIN rail mounting
Wiring	M3.5 screw terminal connection (with drop-proof screws)
Screwing Torque	0.8 to 1.0 [Nm] * Recommended
External Dimensions	W25.0 × H94.0 × D40.0 mm
Weight	90g max.

MATERIAL

Housing	PBT resin (UL 94V-0)
Screw Terminal	Nickel-plated steel
Printed Circuit Board	Glass fabric, epoxy resin (FR-4: UL 94V-0)

ORDERING INFORMATION

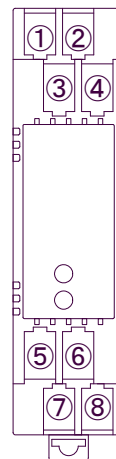
To place an order, please use the ordering code format as shown above.
(e.g.) MS3000TH-50

SPECIFICATIONS

PERFORMANCE

Resistance	10Ω, 50Ω, 100Ω, 250Ω, 500Ω, 1kΩ, or other resistance
Power Rating	0.5W
Resistance Tolerance	±0.2%
Temperature Coefficient	25ppm/°C
Allowable Overcurrent	10Ω: 220mA 50Ω: 100mA 100Ω: 70mA 250Ω: 44mA 500Ω: 31mA 1kΩ: 22mA
Operating Environment	Ambient temperature: -5 to 55°C Humidity: 5 to 90% RH (non-condensing)
Storage Temperature	-10 to 60°C

TERMINAL ASSIGNMENTS



①	N.C.
②	N.C.
③	Line A
④	Line B
⑤	Line a
⑥	Line b
⑦	N.C.
⑧	N.C.

BLOCK DIAGRAM

