DESCRIPTION

The MS3000TH is a terminal block type shunt resistor.

ORDERING CODE

MS3000TH - ☐

Model

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

Options
No code: None
/X: Special order
* For non-standard options, ask MTT for availability.

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)
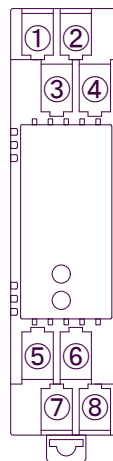| Storage Temperature | -10 to 60°C |
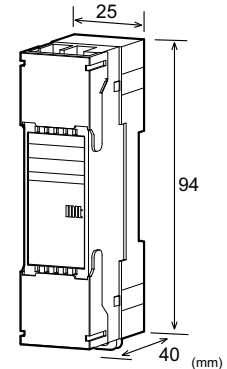
● PHYSICAL

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

● MATERIALS

Housing	ABS resin (UL 94V-0)
Screw Terminal	Nickel-plated steel
Printed Circuit Board	Glass fabric epoxy resin (FR-4: UL 94V-0)
Anti-Humidity Coating	HumiSeal® 1A27NS (Polyurethane)

* HumiSeal® is a registered trademark of Chase Corporation.

TERMINAL ASSIGNMENT

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

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BLOCK DIAGRAM

Line A ③ ——————————————— ⑤ Line a

Line B ④ ——————————————— ⑥ Line b

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