

Eaton 269470

Catalog Number: 269470

Eaton Moeller® series EMT6 Thermistor overload relay for machine protection, 1N/O+1N/C, 24-240VAC/DC, without reclosing lockout



Thông số kỹ thuật chung

Product Name	Catalog Number
Eaton Moeller® series EMT6 Thermistor overload relay	269470
Model Code	EMT6-K
EAN	Product Length/Depth
4015082694708	103 mm
Product Height	Product Width
83 mm	23 mm
Product Weight	Certifications
0.13 kg	CSA
	CSA Class No.: 3211-03
	IEC/EN 60947-8
	UL Category Control No.: NKCR
	UL File No.: E29184
	VDE 0660
	CSA File No.: 12528
	EN 55011
	IEC/EN 61000-4-3
CE	
	IEC/EN 61000-4-2
	CSA-C22.2 No. 14
UL	
	UL 508
	IEC/EN 60947

Đặc điểm & Chức năng

Electric connection type

Screw connection

Functions

Notifications of mains and faults via LED display

Short-circuit in the sensor cable

Test function via separate button

Temperature measuring range - min

0 °C

Temperature measuring range - max

0 °C

Tổng quát

Degree of protection

IP20

Mounting position

As required

Overvoltage category

III

Pollution degree

3

Product category

EMT6 thermistor overload relay for machine protection

Protection

Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)

Rated impulse withstand voltage (Uimp)

4000 V AC

6000 V AC

Safe isolation

250 V AC, Between the contacts, According to EN 61140

250 V AC, Between the contacts and power supply, According to EN 61140

Shock resistance

10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms

Voltage type

AC/DC

Điều kiện khí hậu

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

60 °C

Ambient operating temperature (enclosed) - min

25 °C

Ambient operating temperature (enclosed) - max

45 °C

Khả năng tương thích điện tử

Air discharge

8 kV

Burst impulse

2 kV, Supply cable

1 kV, Signal cable

According to IEC/EN 61000-4-4

Contact discharge

6 kV, Electrostatic discharge (ESD)

Electromagnetic fields

Ambient storage temperature - min	3 V/m at 1.4 - 2 GHz (according to IEC EN 61000-4-3)
45 °C	1 V/m at 2.0 - 2.7 GHz (according to IEC EN 61000-4-3)
Ambient storage temperature - max	10 V/m at 80 - 1000 MHz (according to IEC EN 61000-4-3)
85 °C	Immunity to line-conducted interference
Climatic proofing	10 V (according to IEC/EN 61000-4-6)
Damp heat, cyclic, to IEC 60068-2-30	Radio interference class
Damp heat, constant, to IEC 60068-2-78	Class B (EN 55011)
	Surge rating
	4 kV, asymmetrical, power pulses (Surge), EMC
	According to IEC/EN 61000-4-5, power pulses (Surge), EMC
	2 kV, symmetrical, power pulses (Surge), EMC

Tính năng của thiết bị đầu cuối

Terminal capacity
1 x (0.5 - 2.5) mm ² , solid
20 - 14 AWG, solid or stranded
2 x (0.5 - 1.5) mm ² , solid
1 x (0.5 - 2.5) mm ² , flexible with ferrule
2 x (0.5 - 1.5) mm ² , flexible with ferrule

Screw size
M3.5, Terminal screw
Screwdriver size
1 x 6 mm, Terminal screw, Standard screwdriver
2, Terminal screw, Pozidriv screwdriver

Tightening torque
1.2 Nm, Screw terminals

Định mức nguồn điện

Conventional thermal current ith of auxiliary contacts (1-pole, open)
6 A
Pick-up voltage
0.85 - 1.1 V x U _e
Power consumption
2 W at DC
3.5 VA at AC
Rated control supply voltage (Us) at AC, 50 Hz - min
24 V
Rated control supply voltage (Us) at AC, 50 Hz - max
240 V
Rated control supply voltage (Us) at AC, 60 Hz - min
24 V
Rated control supply voltage (Us) at AC, 60 Hz - max
240 V
Rated control supply voltage (Us) at DC - min
24 V
Rated control supply voltage (Us) at DC - max
240 V
Rated insulation voltage (Ui)
400 V
Rated operational current (Ie)
3 A at AC-14, 400 V (NC)
3 A at AC-14, 380 V 400 V 415 V (NO)
1 A at AC-15, 300 V (NO)

3 A at AC-15, 220 V 230 V 240 V (NO)
1 A at AC-15, 380 V 400 V 415 V (NO)
3 A at AC-14, 300 V (NO)
1 A at AC-15, 300 V (NC)
3 A at AC-14, 300 V (NC)
3 A at AC-14, 380 V 400 V 415 V (NC)
1 A at AC-15, 380 V 400 V 415 V (NC)
3 A at AC-15, 220 V 230 V 240 V (NC)
3 A at AC-15, 220 V 230 V 240 V

Rated operational voltage (Ue) - max
240 V

Reset resistance
1600 Ω

Short-circuit protection rating
Max. 6 A gG/gL, Fuse, Contacts

Trip resistance
3600 Ω

Voltage rating - max
600 V

Tiếp điểm

Number of contacts (change-over contacts)
0

Number of contacts (normally closed contacts)
1

Number of contacts (normally open contacts)
1

Xác minh thiết kế

Equipment heat dissipation, current-dependent Pvid
0 W

Heat dissipation capacity Pdiss
0 W

Heat dissipation per pole, current-dependent Pvid
0 W

Rated operational current for specified heat dissipation (In)
0 A

Static heat dissipation, non-current-dependent Pvs
0.8 W

Tài nguyên

Báo cáo chứng nhận
DA-DC-00004614.pdf
DA-DC-00003984.pdf

Characteristic curve
eaton-tripping-emt6-thermistor-overload-relay-characteristic-curve.eps

Drawings
eaton-tripping-devices-relay-emt6-thermistor-overload-relay-dimensions.eps
eaton-tripping-thermistor-relay-emt6-dimensions.eps

eaton-tripping-devices-relay-emt6-thermistor-overload-relay-3d-drawing.eps

mCAD model
eaton-emt6-drawing.dwg
eaton-emt6-3d-model.stp

Tài liệu quảng cáo

EMR6 - EMT6 - ETR4 brochure

Wiring diagrams

[eaton-tripping-devices-auto-mode-emt6-thermistor-overload-relay-wiring-diagram.eps](#)



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com
© 2024 Eaton. Bảo lưu
mọi quyền.

Eaton is a registered trademark.

All other trademarks are
property of their respective
owners.



[Eaton.com/socialmedia](#)