

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

Eaton Moeller® series EMT6 Thermistor
overload relay

Catalog Number

269470

Model Code

EMT6-K

EAN

4015082694708

Product Length/Depth

103 mm

Product Height

83 mm

Product Width

23 mm

Product Weight

0.13 kg

Certifications

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 từ

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

45 °C

Ambient storage temperature - max

85 °C

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30

Damp heat, constant, to IEC 60068-2-78

3 V/m at 1.4 - 2 GHz (according to IEC EN 61000-4-3)

1 V/m at 2.0 - 2.7 GHz (according to IEC EN 61000-4-3)

10 V/m at 80 - 1000 MHz (according to IEC EN 61000-4-3)

Immunity to line-conducted interference

10 V (according to IEC/EN 61000-4-6)

Radio interference class

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) mm², solid

20 - 14 AWG, solid or stranded

2 x (0.5 - 1.5) mm², solid

1 x (0.5 - 2.5) mm², flexible with ferrule

2 x (0.5 - 1.5) mm², 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 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 (U_s) at AC, 50 Hz - min

24 V

Rated control supply voltage (U_s) at AC, 50 Hz - max

240 V

Rated control supply voltage (U_s) at AC, 60 Hz - min

24 V

Rated control supply voltage (U_s) at AC, 60 Hz - max

240 V

Rated control supply voltage (U_s) at DC - min

24 V

Rated control supply voltage (U_s) at DC - max

240 V

Rated insulation voltage (U_i)

400 V

Rated operational current (I_e)

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 Pdis
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](#)



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