

Eaton 104945

Catalog Number: 104945

Eaton Moeller® series DILM Timer module, 200-240VAC, 0.5-10s, off-delayed

General specifications



Product Name

Eaton Moeller® series DILM timer module

Catalog Number

104945

Model Code

DILM32-XTED11-10(RAC240)

EAN

4015081048038

Product Length/Depth

86 mm

Product Height

38 mm

Product Width

45 mm

Product Weight

0.073 kg

Certifications

VDE 0660

IEC/EN 60947-4-1

DIN EN 61812

IEC/EN 60947

UL File No.: E29184

CE

CSA

UL Category Control No.: NKCR

CSA File No.: 012528

CSA Class No.: 3211-03

CSA-C22.2 No. 14-05

UL

UL 508

Catalog Notes

Cannot be combined with top mounting auxiliary contacts

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be

Catalogs

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

[Product Range Catalog Switching and protecting motors](#)

[SmartWire-DT Catalog](#)

Certification reports

[DA-DC-00003907.pdf](#)

[DA-DC-00004199.pdf](#)

Drawings

[eaton-electronic-timers-module-dilm-timer-module-dimensions.eps](#)

[eaton-electronic-timers-module-dilm-timer-module-3d-drawing.eps](#)

eCAD model

[ETN.104945.edz](#)

Installation instructions

[IL04910004Z2021_07.pdf](#)

Installation videos

[WIN-WIN with push-in technology](#)

mCAD model

[dilm32_xte11.dwg](#)

[dilm32_xte11.stp](#)

Specifications and datasheets

[Eaton Specification Sheet - 104945](#)

Wiring diagrams

[eaton-electronic-timers-module-dilm-timer-module-wiring-diagram-002.eps](#)

evaluated.

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

10.8 Connections for external conductors

Is the panel builder's responsibility.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

Fitted with:

Suppressor circuits

Operating frequency

360 mechanical Operations/h

3600 Operations/h

Pollution degree

3

Used with

DILMP20

DILMP32-45

DILA

DILM7-32

Climatic proofing

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

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

Operating mode

Electronic

Rated impulse withstand voltage (Uimp)

4000 V AC

Setting time - max

10 s

Setting time - min

0.5 s

Product category

Accessories

Protection

Finger and back-of-hand proof, Protection against direct contact

when actuated from front

Ambient operating temperature - max

60 °F

Ambient operating temperature - min

-25 °F

Ambient operating temperature (enclosed) - max

40 °F

Ambient operating temperature (enclosed) - min

25 °F

Ambient storage temperature - max

80 °F

Ambient storage temperature - min

40 °F

Conventional thermal current I_{th} of auxiliary contacts (1-pole, open)

4 A

Equipment heat dissipation, current-dependent P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

Heat dissipation per pole, current-dependent P_{vid}

0 W

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

1

Number of contacts (normally open contacts)

1

Power consumption (sealing) at DC

1.8 W

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

240 V

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

100 V

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

240 V

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

100 V

Screwdriver size

2, Terminal screw, Pozidriv screwdriver
0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver

Mounting position

As required (except suspended)

Degree of protection

IP20

Overvoltage category

III

Delay time

50 ms, On-delayed
200 ms, Off-delayed

Duty factor

100 %

Lifespan, mechanical

3,000,000 Operations (DC operated)
3,000,000 Operations (AC operated)

Switch function type

Time-delay dropped out

Pick-up voltage

0.7 - 1.2 V DC x U_c
0.85 - 1.1 V AC x U_c

Power consumption, sealing, 50 Hz

2 VA, Coil in a cold state and 1.0 x U_s

Safe isolation

250 V AC, Between auxiliary contacts, According to EN 61140
250 V AC, Between coil and auxiliary contacts, According to EN 61140

Power consumption, sealing, 60 Hz

2 VA, Coil in a cold state and 1.0 x U_s

Screw size

M3.5, Terminal screw, Control circuit cables

Rated operational current (I_e)

0.1 A at 220 V, DC-13 L/R - 300 ms (with 1 contact in series)
3 A at AC-15, 220 V 230 V 240 V
0.2 A at 110 V, DC-13 L/R - 50 ms (with 1 contact in series)
0.2 A at 60 V, DC-13 L/R - 50 ms (with 1 contact in series)
0.2 A at 60 V, DC-13 L/R - 300 ms (with 1 contact in series)
1 A at 24 V, DC-13 L/R - 50 ms (with 1 contact in series)
1 A at 24 V, DC-13 L/R - 300 ms (with 1 contact in series)

0.1 A at 220 V, DC-13 L/R - 50 ms (with 1 contact in series)
0.2 A at 110 V, DC-13 L/R - 300 ms (with 1 contact in series)

Recovery time

70 ms (after 100 % time delay)

Repetition accuracy

< 5 % (deviation)

Switching capacity (auxiliary contacts, general use)

5 A, 24 V DC, (UL/CSA)
5 A, 240 V AC, (UL/CSA)

Switching capacity (auxiliary contacts, pilot duty)

B300, AC operated (UL/CSA)
R300, DC operated (UL/CSA)

Shock resistance

6 g, N/O auxiliary contact, Mechanical, according to IEC/EN
60068-2-27, Half-sinusoidal shock 10 ms
6 g, N/C auxiliary contact, Mechanical, according to IEC/EN
60068-2-27, Half-sinusoidal shock 10 ms

Short-circuit current rating (basic rating)

125 A, max. Fuse, SCCR (UL/CSA)
125 A, max. CB, SCCR (UL/CSA)
5 kA, SCCR (UL/CSA)

Short-circuit current rating (high fault at 480 V)

10/65 kA, CB, SCCR (UL/CSA)
10/100 kA, Fuse, SCCR (UL/CSA)
125/70 A, Class J, max. Fuse, SCCR (UL/CSA)
50/32 A, max. CB, SCCR (UL/CSA)

Short-circuit current rating (high fault at 600 V)

10/100 kA, Fuse, SCCR (UL/CSA)
10/22 kA, CB, SCCR (UL/CSA)
50/32 A, max. CB, SCCR (UL/CSA)
125/125 A, Class J, max. Fuse, SCCR (UL/CSA)

Short-circuit protection rating

Max. 4 A gG/gL, fuse, Without welding, Auxiliary and control
circuits

Terminal capacity (flexible with ferrule)

1 x (0.75 - 1.5) mm²
2 x (0.75 - 1.5) mm²

Terminal capacity (solid)

2 x (0.75 - 1.5) mm²
1 x (0.75 - 2.5) mm²

Terminal capacity (solid/stranded AWG)



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Eaton House
30 Pembroke Road
Dublin 4, Ireland
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