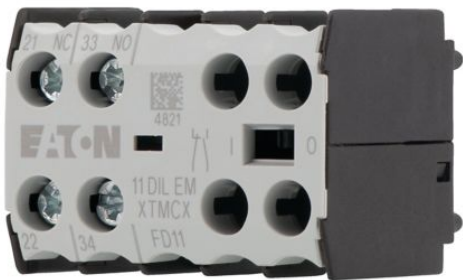


Eaton 010080

Catalog Number: 010080

Eaton Moeller® series DILEM Auxiliary contact module, 1 N/O, 1 NC, Front fixing, Screw terminals, DILE(E)M

General specifications



Product Name

Eaton Moeller® series DILEM Accessory 010080
Auxiliary contact module

Catalog Number

Model Code

11DILEM

EAN

4015080100805

Product Length/Depth

36 mm

Product Height

32 mm

Product Width

45 mm

Product Weight

0.03 kg

Certifications

UL Category Control No.: NKCR
VDE 0660
CSA
CSA Class No.: 3211-03
UL
CSA File No.: 012528
IEC/EN 60947
CE
CSA-C22.2 No. 14-05
UL File No.: E29184
IEC/EN 60947-4-1
UL 508

Product specifications

Features

Interlocked opposing contacts within an auxiliary contact module (according to IEC 60947-5-1 Annex L)

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.

10.2.3.1 Verification of thermal stability of enclosures

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

Resources

Catalogs

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

[Switching and protecting motors - catalog](#)

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

Characteristic curve

[210U039](#)

[eaton-contactors-short-time-loading-dilm-characteristic-curve.eps](#)

[eaton-contactors-switch-dilm-characteristic-curve-002.eps](#)

[2100DIA-8](#)

Declarations of conformity

[DA-DC-00004764.pdf](#)

[DA-DC-00004747.pdf](#)

Drawings

[eaton-contactors-diler-dimensions-002.eps](#)

[eaton-contactors-dimensions-210x002.eps](#)

[210X002](#)

Drawings

[eaton-contactors-contact-dile-accessory-3d-drawing.eps](#)

[210I002](#)

eCAD model

[eaton-dilem-accessory-auxiliary-contact-module-eplan-010080.edz](#)

Installation instructions

[IL03407009Z](#)

mCAD model

[eaton-cadenas-side_view-hs_dile_side.pra](#)

[eaton-cadenas-path-01-geo-hs_dile.3db](#)

[DA-CD-hs_dile](#)

[eaton-cadenas-front_view-hs_dile_front.pra](#)

[DA-CS-hs_dile](#)

Wiring diagrams

[eaton-contactors-contact-sdainl-combination-wiring-diagram.eps](#)

[210S030](#)

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 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.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

Electric connection type

Screw connection

Fitted with:

Interlocked opposing contacts

Operating frequency

9000 Operations/h

Pollution degree

3

Climatic proofing

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

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

Ambient operating temperature - max

50 °C

Ambient operating temperature - min

-25 °C

Ambient operating temperature (enclosed) - max

40 °C

Ambient operating temperature (enclosed) - min

-25 °C

Ambient storage temperature - max

80 °C

Ambient storage temperature - min

-40 °C

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

10 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}

0.24 W

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

1

Number of contacts (normally open contacts)

1

Number of switches (fault signal)

0

Rated impulse withstand voltage (U_{imp})

6000 V AC

Screwdriver size

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

Mounting position

As required (except vertical with terminals A1/A2 at the bottom)

Connection type

Screw connection

Mounting method

Front fastening

Overvoltage category

III

Control circuit reliability

$< 2 \lambda$, < 1 failure at 100,000,000 Operations (at $U_e = 24$ V DC,
 $U_{min} = 17$ V, $I_{min} = 5.4$ mA)

Degree of protection

IP20

Model

Top mounting

Lamp holder

None

Functions

For standard applications

Safe isolation

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

300 V AC, Between auxiliary contacts, According to EN 61140

Rated operational current (I_e)

1.5 A at 110 V, DC L/R ≤ 15 ms (with 3 contacts in series)

2.5 A at 60 V, DC L/R ≤ 15 ms (with 2 contacts in series)

0.5 A at 220 V, DC L/R ≤ 15 ms (with 3 contacts in series)

2.5 A at 24 V, DC L/R ≤ 15 ms (with 1 contact in series)

Screw size

M3.5, Terminal screw

Switching capacity (auxiliary contacts, general use)

10 A, 600 V AC, (UL/CSA)

0.5 A, 250 V DC, (UL/CSA)

Switching capacity (auxiliary contacts, pilot duty)

P300, DC operated (UL/CSA)

A600, AC operated (UL/CSA)

Lifespan, mechanical

10,000,000 Operations (AC operated)

20,000,000 Operations (DC operated)

200,000 Operations (at 240 V, AC-15)

150,000 Operations (at 240 V, DC, L/R = 50 ms: 2 contacts in series 0.5 A)

Static heat dissipation, non-current-dependent P_{vs}

0 W

Protection

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

Short-circuit protection rating without welding

6 A gG/gL, 500 V, Max. Fuse, Contacts

Short-circuit protection rating

10 A fast, 500V, Maximum fuse, Short-circuit rating without welding, Contacts

Rated insulation voltage (Ui)

690 V

Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V

4 A

Rated operational current (Ie) at AC-15, 380 V, 400 V, 415 V

2 A

Rated operational current (Ie) at AC-15, 500 V

1.5 A

Rated operational current for specified heat dissipation (In)

4 A

Rated operational voltage (Ue) at AC - max

600 V

Terminal capacity (flexible with ferrule)

1 x (0.75 - 1.5) mm²

2 x (0.75 - 1.5) mm²

Terminal capacity (solid)

1 x (0.75 - 2.5) mm²

2 x (0.75 - 2.5) mm²

Tightening torque

1.2 Nm, Screw terminals

Terminal capacity (solid/stranded AWG)

Single 18 – 14, double 18 – 14

Shock resistance

10 g, N/O contact, Mechanical, according to IEC/EN 60068-2-27,

Half-sinusoidal shock 10 ms

8 g, N/C contact, Mechanical, according to IEC/EN 60068-2-27,

Half-sinusoidal shock 10 ms



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