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EATON

Powering Business Worldwide

DILAT-12(230V50HZ/240V60HZ) - Contactor relay, 230 V 50 Hz, 240 V 60 Hz, N/O = Normally open: 1 N/O, N/C = Normally closed: 2 NC, Screw terminals, AC operation



190992 DILAT-12(230V50HZ/240V60HZ)

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190992 DILAT-12(230V50HZ/240V60HZ)

Contactor relay, 230 V 50 Hz, 240 V 60 Hz, N/O = Normally open: 1 N/O, N/C = Normally closed: 2 NC, Screw terminals, AC operation

Contactor relay, Product range: Contactor relays DILAT, Application: Contactor relays, Connection technique: Screw terminals, Rated operational current AC-15 220 V 230 V 240 V: $I_e = 4$ A, 380 V 400 V 415 V: $I_e = 1.9$ A, Contacts N/O = Normally open: 1 N/O, Contacts N/C = Normally closed: 2 NC, Actuating voltage: 230 V 50 Hz, 240 V 60 Hz, Voltage AC/DC: AC operation, Degree of Protection: IP20, Standards: IEC/EN 60947, VDE 0660

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- [Technical data](#)
- [Design verification as per IEC/EN 61439](#)
- [Technical data ETIM 7.0](#)
- [Dimensions](#)

Delivery program

Product range
Contactor relays DILAT
Application
Contactor relays
Connection technique
Screw terminals
Rated operational current
AC-15 220 V 230 V 240 V [I_e]
4 A
AC-15 380 V 400 V 415 V [I_e]
1.9 A
Contacts
N/O = Normally open
1 N/O
N/C = Normally closed
2 NC
Actuating voltage
230 V 50 Hz, 240 V 60 Hz
Voltage AC/DC
AC operation
Connection to SmartWire-DT
no

Technical data

General

Standards

IEC/EN 60947, VDE 0660

Lifespan, mechanical AC operated [Operations]

10×10^6

Maximum operating frequency [Operations/h]

3600

Climatic proofing

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

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

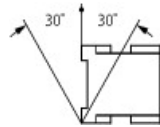
Ambient temperature Open

-25 - +55 °C

Ambient temperature Ambient temperature, storage

-40 - 80 °C

Mounting position Mounting position



Degree of Protection

IP20

Protection against direct contact when actuated from front (EN 50274)

Finger and back-of-hand proof

Weight AC operated

0.17 kg

Terminal capacities Screw terminals Solid

1 x (0.75 - 2.5)

2 x (0.75 - 2.5) mm²

Terminal capacities Screw terminals Flexible with ferrule

1 x (0.75 - 2.5)

2 x (0.75 - 2.5) mm²

Terminal capacities Screw terminals Pozidriv screw driver

2 Size

Terminal capacities Screw terminals Max. tightening torque

0.8 Nm

Contacts

Rated impulse withstand voltage [U_{imp}]

6000 V AC

Overvoltage category/pollution degree

III/3

Rated insulation voltage [U_i]

690 V AC

Rated operational voltage [U_e]

690 V AC

Rated operational current Conventional free air thermal current, 1 pole Open at 55 °C [$I_{th} = I_e$]

10 A

Rated operational current AC-15220 V 230 V 240 V [I_e]

4 A

Rated operational current AC-15380 V 400 V 415 V [I_e]

1.9 A

Rated operational current AC-15500 V [I_e]

1.4 A

Magnet systems

Voltage tolerance AC operated Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz [Pick-up]

$0.85 - 1.1 \times U_c$

Power consumption AC operation Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz [Pick-up]

30 VA

Power consumption AC operation Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz [Sealing]

6 VA

Power consumption AC operation Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz [Sealing]

2 W

Design verification as per IEC/EN 61439

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.
+55 °C

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Contactor relay (EC000196)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) /

Contact relay (ec1@ss10.0.1-27-37-10-01 [AAB716014])

Rated control supply voltage U_s at AC 50HZ

230 - 230 V

Rated control supply voltage U_s at AC 60HZ

240 - 240 V

Rated control supply voltage U_s at DC

0 - 0 V

Voltage type for actuating

AC

Rated operation current I_e , 400 V

1.9 A

Connection type auxiliary circuit

Screw connection

Mounting method

DIN-rail/screw

Interface

No

Number of auxiliary contacts as normally closed contact

2

Number of auxiliary contacts as normally open contact

1

Number of auxiliary contacts as normally closed contact, delayed switching

0

Number of auxiliary contacts as normally open contact, leading

0

With LED indication

No

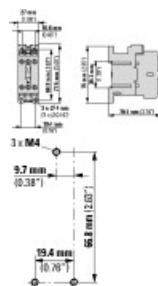
Number of auxiliary contacts as change-over contact

0

Manual operation possible

No

Dimensions



Product photo

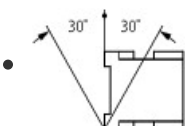


Photo

Product photo

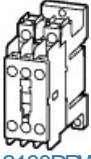
Photo

Explosion drawing



[Mounting position](#)
[Explosion drawing](#)
[Line drawing](#)
[Mounting position](#)

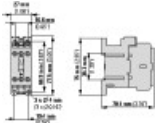
3D drawing



[2100DRW-434](#)

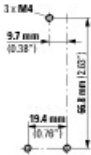
[3D drawing](#)
[Line drawing](#)

Dimensions single product



[2100DIM-53](#)

[Dimensions single product](#)
[Line drawing](#)



[2100DIM-69](#)

[Dimensions single product](#)
[Line drawing](#)

Declaration of Conformity

- [DA-DC-00002909](#)
[Declaration of Conformity](#)
[\(PDF\)](#)

Standards

- [000Z153](#)
[Standards](#)
[Logo](#)
[xStart logo](#)


CAD data

- [DA-CE-ETN.DILAT-12\(230V50HZ_240V60HZ\)](#)
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