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EATON

Powering Business Worldwide

DILAT-03(24V50/60HZ) - Contactor relay, 3 NC, AC



197627 DILAT-03(24V50/60HZ)

[Overview](#) [Specifications](#) [Resources](#)



197627 DILAT-03(24V50/60HZ)

Contactor relay, 3 NC, AC

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 NC = Normally closed: 3 NC, Actuating voltage: 24 V 50 Hz, 24 V 60 Hz, Voltage AC/DC: AC operation, Degree of Protection: IP20, Standards: IEC/EN 60947, VDE 0660

- [Delivery program](#)
- [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
NC = Normally closed
3 NC
Actuating voltage
24 V 50/60 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

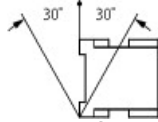
Ambient temperature Open

-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 Dual-frequency coil 50/60 Hz [Pick-up]

0.85 - 1.1 x U_c

Power consumption AC operation Dual-frequency coil 50/60 Hz at 60 Hz [Pick-up]

30 VA

Power consumption AC operation Dual-frequency coil 50/60 Hz [Hbld]

6 VA

Power consumption AC operation Dual-frequency coil 50/60 Hz [Sealing]

2 W

Design verification as per IEC/EN 61439

Operating ambient temperature min.

-25 °C

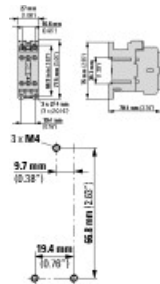
Operating ambient temperature max.

+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) /
 Contactor relay (ec1@ss10.0.1-27-37-10-01 [AAB716014])
 Rated control supply voltage U_s at AC 50HZ
 24 - 24 V
 Rated control supply voltage U_s at AC 60HZ
 24 - 24 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
 3
 Number of auxiliary contacts as normally open contact
 0
 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

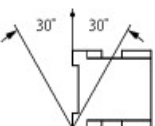


Photo

Product photo

Photo

Explosion drawing



Mounting position

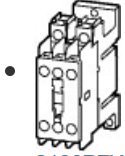
Explosion drawing

Line drawing

Mounting position

3D drawing

3D drawing

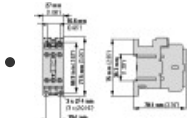


[2100DRW-434](#)

3D drawing

[Line drawing](#)

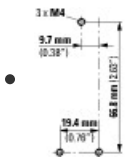
Dimensions single product



[2100DIM-53](#)

Dimensions single product

[Line drawing](#)



[2100DIM-69](#)

Dimensions single product

[Line drawing](#)

Standards

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

CAD data

- [DA-CE-ETN.DILAT-03\(24V50_60HZ\)](#)
CAD data
edz files
(Web)

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