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Powering Business Worldwide

DILAT-03(RDC24) - Contactor relay, 24 V DC, 3 NC, Screw terminals, DC operation



190970 DILAT-03(RDC24)

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## 190970 DILAT-03(RDC24)

Contactor relay, 24 V DC, 3 NC, Screw terminals, DC operation

EL-Nummer (Norway)

4301153

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

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### 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/C = Normally closed

3 NC

#### Instructions

Integrated varistor suppressor circuit.

Actuating voltage

24 V DC

Voltage AC/DC

DC operation

Connection to SmartWire-DT

no

#### Instructions

Integrated varistor suppressor circuit.

## Technical data

General

Standards

IEC/EN 60947, VDE 0660

Maximum operating frequency [Operations/h]

3600

Climatic proofing

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

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

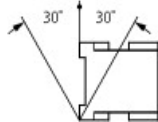
Ambient temperature Open

-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 DC operated

0.17 kg

Terminal capacities Screw terminals Solid

1 x (0.75 - 2.5)

2 x (0.75 - 2.5) mm<sup>2</sup>

Terminal capacities Screw terminals Flexible with ferrule

1 x (0.75 - 2.5)

2 x (0.75 - 2.5) mm<sup>2</sup>

Terminal capacities Screw terminals Stripping length

14 mm

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

Power consumption DC operation DC operated

3 W

Power consumption DC operation DC operated [Pick-up]

12 VA

Changeover time at 100 %  $U_S$  (recommended value) DC operated closing delay

56 - 64 ms

Changeover time at 100 %  $U_S$  (recommended value) DC operated NO contact opening delay

18 - 25 ms

## Design verification as per IEC/EN 61439

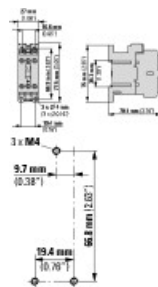
Operating ambient temperature min.

-25 °C  
Operating ambient temperature max.  
+55 °C

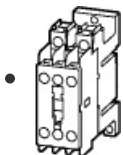
## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Contactor relay (EC000196)  
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) /  
Contactor relay (ecl@ss10.0.1-27-37-10-01 [AAB716014])  
Rated control supply voltage  $U_s$  at AC 50HZ  
0 - 0 V  
Rated control supply voltage  $U_s$  at AC 60HZ  
0 - 0 V  
Rated control supply voltage  $U_s$  at DC  
24 - 24 V  
Voltage type for actuating  
DC  
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



## 3D drawing



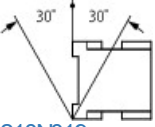
2100DRW-434  
Line drawing

## Product photo



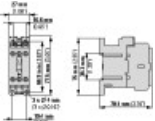
2100PIC-248  
Photo

## Explosion drawing



210ND19  
Line drawing  
Mounting position

## Dimensions single product



2100DIM-53  
Line drawing

3 x M4

9.7 mm  
(0.38")

19.4 mm  
(0.76")

56.8 mm  
(2.23")

2100DIM-69  
Line drawing

## Standards

- 000Z153  
Logo  
xStart logo

## Declaration of Conformity

### EU

- Eaton-AC Contactors; Control Relay; Auxiliary Contact (DA-DC-00003681)  
Asset  
(PDF)

## Instruction Leaflet

- Contactors relays and contactors up to 12 A (IL034049ZU)  
Asset  
Internal packing pressure for contactor relays and contactors up to 12 A  
(PDF, 06/2018, multilingual)

## CAD data

### edz files

- DA-CE-ETN.DILAT-03(RDC24)  
File  
(Web)

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