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DILAT-03(230V50HZ/240V60HZ) - Contactor relay, 230 V 50 Hz, 240 V 60 Hz, 3 NC, Screw terminals, AC operation



190993 DILAT-03(230V50HZ/240V60HZ)

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## 190993 DILAT-03(230V50HZ/240V60HZ)

Contactor relay, 230 V 50 Hz, 240 V 60 Hz, 3 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 NC = Normally closed: 3 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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### 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

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]

$10 \times 10^6$

Maximum operating frequency [Operations/h]

3600

Climatic proofing

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

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

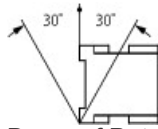
Ambient temperature Open

-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) 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-15 220 V 230 V 240 V [ $I_e$ ]

4 A

Rated operational current AC-15 380 V 400 V 415 V [ $I_e$ ]

1.9 A

Rated operational current AC-15 500 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

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

20 - 25 ms

Changeover time at 100 %  $U_S$  (recommended value) AC operated N/O contact opening delay

9 - 13 ms

## Design verification as per IEC/EN 61439

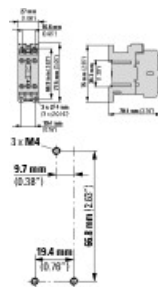
Operating ambient temperature min.

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

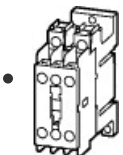
## Technical data ETIM 7.0

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  
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  
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



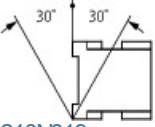
2100DRW-434  
Line drawing

## Product photo



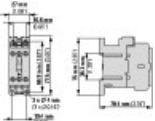
2100PIC-248  
Photo

## Explosion drawing



210ND19  
Line drawing  
Mounting position

## Dimensions single product



2100DIM-53  
Line drawing



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

- Contactor 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(230V50HZ\_240V60HZ)  
File  
(Web)

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