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DILAT-30(230V50HZ/240V60HZ) - Contactor relay, 230 V 50 Hz, 240 V 60 Hz, 3 NO, Screw terminals, AC operation



190990 DILAT-30(230V50HZ/240V60HZ)

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190990 DILAT-30(230V50HZ/240V60HZ)

Contactor relay, 230 V 50 Hz, 240 V 60 Hz, 3 NO, Screw terminals, AC operation

EL-Nummer (Norway)

4301158

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 NO = Normally open: 3 NO, 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

- 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
NO = Normally open
3 NO
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

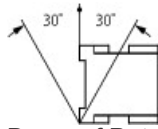
Ambient temperature Open

-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 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 NO contact opening delay

9 - 13 ms

Design verification as per IEC/EN 61439

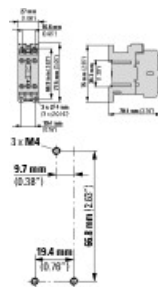
Operating ambient temperature min.

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

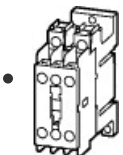
Technical data ETIM 7.0

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
0
Number of auxiliary contacts as normally open contact
3
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



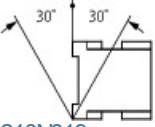
2100DRW-434
Line drawing

Product photo



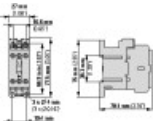
2100PIC-248
Photo

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-30(230V50HZ_240V60HZ)
File
(Web)

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