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DILAT-21(230V50HZ/240V60HZ) - Contactor relay, 230 V 50 Hz, 240 V 60 Hz, N/O = Normally open: 2 N/O, N/C = Normally closed: 1 N/C, Screw terminals, AC operation



190991 DILAT-21(230V50HZ/240V60HZ)

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## 190991 DILAT-21(230V50HZ/240V60HZ)

Contactor relay, 230 V 50 Hz, 240 V 60 Hz, N/O = Normally open: 2 N/O, N/C = Normally closed: 1 N/C, 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: 2 N/O, Contacts N/C = Normally closed: 1 N/C, 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

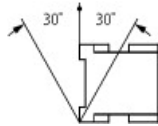
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### Delivery program

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  
NO = Normally open  
2 NO  
NC = Normally closed  
1 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 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

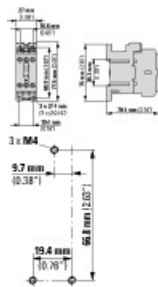
## Design verification as per IEC/EN 61439

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

## TECHNICAL DATA E 1111 / 1.0

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  
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  
1  
Number of auxiliary contacts as normally open contact  
2  
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

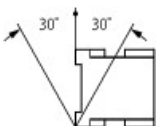


Photo

Product photo

Photo

## Explosion drawing



Mounting position

Explosion drawing

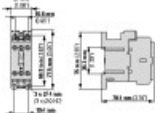
Line drawing

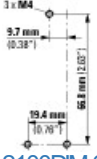
Mounting position

# 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-21\(230V50HZ\\_240V60HZ\)](#)  
CAD data  
edz files  
(Web)

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