

Select your language

- German
- English
- Spanish
- French
- Dutch
- Italian
- Polish
- Czech
- Russian
- Norwegian Bokmål

Worldwide English



DILAT-12(24V50/60HZ) - Contactor relay, 24 V 50/60 Hz, 1 NO, 2 NC, Screw terminals, AC operation



197626 DILAT-12(24V50/60HZ)

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



197626 DILAT-12(24V50/60HZ)

Contactor relay, 24 V 50/60 Hz, 1 NO, 2 NC, Screw terminals, AC operation

EL-Nummer (Norway)

4301156

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: 1 NO, Contacts NC = Normally closed: 2 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 [[l_e](#)]
4 A
AC-15 380 V 400 V 415 V [[l_e](#)]
1.9 A
Contacts
NO = Normally open
1 NO
NC = Normally closed
2 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 x 10⁶

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 temperatureOpen
 -25 - +55 °C
 Ambient temperatureAmbient temperature, storage
 - 40 - 80 °C
 Mounting positionMounting position

 Degree of Protection
 IP20
 Protection against direct contact when actuated from front (EN 50274)
 Finger and back-of-hand proof
 WeightAC operated
 0.17 kg
 Terminal capacitiesScrew terminalsSolid
 1 x (0.75 - 2.5)
 2 x (0.75 - 2.5) mm²
 Terminal capacitiesScrew terminalsFlexible with ferrule
 1 x (0.75 - 2.5)
 2 x (0.75 - 2.5) mm²
 Terminal capacitiesScrew terminalsStripping length
 14 mm
 Terminal capacitiesScrew terminalsPozidriv screw driver
 2 Size
 Terminal capacitiesScrew terminalsMax. 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]
 690 V AC
 Rated operational voltage [U_e]
 690 V AC
 Rated operational currentConventional free air thermal current, 1 poleOpen at 55 °C [I_{th} = I_e]
 10 A
 Rated operational currentAC-15220 V 230 V 240 V [I_e]
 4 A
 Rated operational currentAC-15380 V 400 V 415 V [I_e]
 1.9 A
 Rated operational currentAC-15500 V [I_e]
 1.4 A
 Magnet systems
 Voltage toleranceAC operatedDual-frequency coil 50/60 Hz [Pick-up]
 0.85 - 1.1 x U_c
 Power consumptionAC operationDual-frequency coil 50/60 Hz at 60 Hz [Pick-up]
 30 VA
 Power consumptionAC operationDual-frequency coil 50/60 Hz [Hld]
 6 VA
 Power consumptionAC operationDual-frequency coil 50/60 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

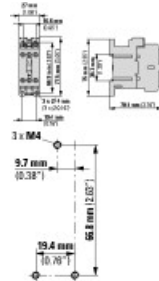
Design verification as per IEC/EN 61439

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

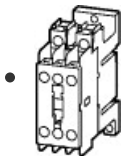
Technical data ETIM 7.0

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
 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
 2
 Number of auxiliary contacts as normally open contact
 1
 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



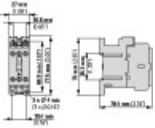
2100PIC-248

Photo

Explosion drawing

- [210N019](#)
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-12\(24V50_60HZ\)](#)
File
(Web)

Download-Center

- [Download-Center \(this item\)](#)
Eaton EMEA Download-Center - download data for this item
- [Download-Center](#)
Eaton EMEA Download-Center

 [Generate data sheet in PDF format](#)

 [Generate data sheet in Excel format](#)

 [Write a comment](#)

[Imprint](#) [Privacy Policy](#) [Legal Disclaimer](#) [Terms and Conditions](#)

© 2021 by Eaton Industries GmbH

