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**EATON**

Powering Business Worldwide

DILMT65(230V50HZ/240V60HZ) - Contactor, 3 pole, 380 V 400 V: 30 kW, 230 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals



190964 DILMT65(230V50HZ/240V60HZ)

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# 190964 DILMT65(230V50HZ/240V60HZ)

Contactor, 3 pole, 380 V 400 V: 30 kW, 230 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals  
Contactor, Application: Contactors for Motors, Contactors up to 95 A, 3 pole, Utilization category: AC-1: Non-inductive or slightly inductive loads, resistance furnaces, NAC-3: Normal AC induction motors: starting, switch off during running, AC-4: Normal AC induction motors: starting, plugging, reversing, inching, Connection technique: Screw terminals, Notes: Not suitable for motors with efficiency class IE3., Number of poles: 3 pole, Rated operational current AC-3 380 V 400 V:  $I_e = 65$  A, Rated operational current AC-1 Conventional free air thermal current, 3 pole, 50 - 60 Hz Open at 40 °C:  $I_{th} = I_e = 80$  A, Max. rating for three-phase motors, 50 - 60 Hz AC-3 220 V 230 V: P= 20 kW, 380 V 400 V: P= 30 kW, 660 V 690 V: P= 35 kW, Can be combined with auxiliary contact: DILT-XH101 (10), DILMT95-XH11-SR, Voltage AC/DC: AC operation

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## Delivery program

Product range

Contactors

Application

Contactors for Motors

Subrange

Contactors up to 95 A, 3 pole

Utilization category

AC-1: Non-inductive or slightly inductive loads, resistance furnaces

NAC-3: Normal AC induction motors: starting, switch off during running

AC-4: Normal AC induction motors: starting, plugging, reversing, inching

Notes

Not suitable for motors with efficiency class IE3.

Connection technique

Screw terminals

Number of poles

3 pole

Rated operational current

AC-3380 V 400 V [ $I_e$ ]

65 A

AC-1Conventional free air thermal current, 3 pole, 50 - 60 HzOpenat 40 °C [ $I_{th} = I_e$ ]

80 A

Max. rating for three-phase motors, 50 - 60 Hz

AC-3220 V 230 V [P]

20 kW

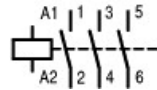
AC-3380 V 400 V [F]

30 kW

AC-3660 V 690 V [F]

35 kW

Contact sequence



Can be combined with auxiliary contact

DILT-XH101(10)

DILMT95-XH11-SR

Actuating voltage

230 V 50 Hz, 240 V 60 Hz

Voltage AC/DC

AC operation

Connection to SmartWire-DT

no

Frame size

3

## Technical data

General

Standards

IEC/EN 60947, GB14048

Lifespan, mechanicalAC operated [Operations]

$5 \times 10^6$

Operating frequency, mechanicalAC operated [Operations/h]

3600

Climatic proofing

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

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

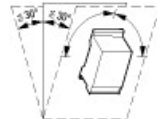
Ambient temperatureOpen

-25 - +55 °C

Ambient temperatureStorage

-40 - 80 °C

Mounting position



Degree of Protection

IP20

WeightAC operated

0.78 kg

Screw connector terminalsTerminal capacity main cableSolid

1 x (2.5 - 25)

2 x (2.5 - 16) mm<sup>2</sup>

Screw connector terminalsTerminal capacity main cableStranded

1 x (2.5 - 25)

2 x (2.5 - 16) mm<sup>2</sup>

Screw connector terminalsTerminal capacity main cableStripping length

14 mm

Screw connector terminalsTerminal capacity main cableTerminal screw

M6

Screw connector terminalsTerminal capacity main cableTightening torque

2.5 Nm

Screw connector terminalsTerminal capacity main cableToolPozidriv screw driver

2 Size

Screw connector terminalsTerminal capacity control circuit cablesSolid

1 x (0.75 - 2.5)

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

Screw connector terminalsTerminal capacity control circuit cablesStripping length

14 mm

Screw connector terminalsTerminal capacity control circuit cablesTerminal screw

M3.5

Screw connector terminalsTerminal capacity control circuit cablesTightening torque

1.2 Nm

Screw connector terminalsTerminal capacity control circuit cablesToolPozidriv screw driver

2 Size

Main conducting paths  
 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  
 Breaking capacity 380 V 400 V  
 520 A  
 AC  
 AC-1 Rated operational current Conventional free air thermal current, 3 pole, 50 - 60 Hz Open at 40 °C [ $I_{th} = I_e$ ]  
 80 A  
 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz 220 V 230 V [ $I_e$ ]  
 65 A  
 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz 240 V [ $I_e$ ]  
 65 A  
 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz 380 V 400 V [ $I_e$ ]  
 65 A  
 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz 380 V 400 V [ $I_e$ ]  
 65 A  
 AC-3 Motor rating [P] 220 V 230 V [P]  
 20 kW  
 AC-3 Motor rating [P] 380 V 400 V [P]  
 30 kW  
 AC-3 Motor rating [P] 660 V 690 V [P]  
 35 kW  
 Magnet systems  
 Voltage tolerance AC operated [Pick-up]  
 0.85 - 1.1 x  $U_e$   
 Power consumption of the coil in a cold state and 1.0 x  $U_s$  50 Hz [Pick-up]  
 220 VA  
 Power consumption of the coil in a cold state and 1.0 x  $U_s$  50 Hz [Sealing]  
 21 VA  
 Power consumption of the coil in a cold state and 1.0 x  $U_s$  50 Hz [Sealing]  
 6 W  
 Power consumption of the coil in a cold state and 1.0 x  $U_s$  60 Hz [Pick-up]  
 200 VA  
 Power consumption of the coil in a cold state and 1.0 x  $U_s$  60 Hz [Sealing]  
 20 VA  
 Power consumption of the coil in a cold state and 1.0 x  $U_s$  60 Hz [Sealing]  
 5 W  
 Power consumption of the coil in a cold state and 1.0 x  $U_s$  50/60 Hz [Pick-up]  
 0  
 VA  
 Power consumption of the coil in a cold state and 1.0 x  $U_s$  50/60 Hz [Sealing]  
 0  
 VA  
 Power consumption of the coil in a cold state and 1.0 x  $U_s$  50/60 Hz [Sealing]  
 0  
 W

## 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) / Power contactor, AC switching (EC000066)  
 Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) /  
 Power contactor, AC switching (ecl@ss10.0.1-27-37-10-03 [AAB718015])  
 Rated control supply voltage  $U_s$  at AC 50 Hz  
 230 - 230 V  
 Rated control supply voltage  $U_s$  at AC 60 Hz  
 240 - 240 V  
 Rated control supply voltage  $U_s$  at DC

0 - 0 V  
 Voltage type for actuating  
 AC  
 Rated operation current  $I_e$  at AC-1, 400 V  
 80 A  
 Rated operation current  $I_e$  at AC-3, 400 V  
 65 A  
 Rated operation power at AC-3, 400 V  
 30 kW  
 Rated operation current  $I_e$  at AC-4, 400 V  
 0 A  
 Rated operation power at AC-4, 400 V  
 0 kW  
 Rated operation power NEMA  
 0 kW  
 Modular version  
 No  
 Number of auxiliary contacts as normally open contact  
 0  
 Number of auxiliary contacts as normally closed contact  
 0  
 Type of electrical connection of main circuit  
 Screw connection  
 Number of normally closed contacts as main contact  
 0  
 Number of main contacts as normally open contact  
 3

## Approvals

Specially designed for North America  
 No

## Dimensions



## Product photo



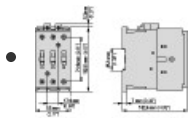
[Photo](#)  
 Product photo  
 Photo

## Wiring diagram



[Contact sequence](#)  
 Wiring diagram  
 Line drawing  
 Contacts

## Dimensions single product



#### 2100DIM-55

Dimensions single product

Line drawing

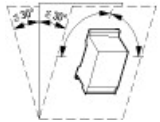


#### 2100DIM-60

Dimensions single product

Line drawing

## 3D drawing



#### Mounting position

3D drawing

Line drawing

Mounting position, contactor

#### 2100DRW-436

3D drawing

Line drawing

## Declaration of Conformity

- [DA-DC-00002909](#)  
Declaration of Conformity  
(PDF)

## CAD data

- [DA-CE-ETN.DILMT65\(230V50HZ\\_240V60HZ\)](#)  
CAD data  
edz files  
(Web)

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