

# Eaton 191000

Catalog Number: 191000

Eaton Moeller® series DILMT Contactor, 3 pole, 380 V 400 V: 18.5 kW, 230 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals

## General specifications

Product Name	Catalog Number
Eaton Moeller® series DILMT Contactor	191000
EAN	Product Length/Depth
4015081912230	108.1 mm
Product Height	Product Width
103.6 mm	55 mm
Product Weight	Certifications
.776 kg	EN 60335-1 GB14048 IEC/EN 60947
Catalog Notes	Model Code
Not suitable for motors with efficiency class IE3.	DILMT40(230V50HZ/240V60HZ)

## Product specifications

### Power consumption, sealing, 60 Hz

5 W, Dual-frequency coil in a cold state and 1.0 x Us  
0 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz  
0 W, Dual-frequency coil in a cold state and 1.0 x Us  
20 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz

### Rated operational power at AC-3, 380/400 V, 50 Hz

18.5 kW

### Stripping length (control circuit cable)

14 mm

### Rated operational power at AC-4, 380/400 V, 50 Hz

0 kW

### Rated control supply voltage (Us) at AC, 50 Hz - min

230 V

### Number of contacts (normally closed) as main contact

0

### Stripping length (main cable)

14 mm

### Rated operational power (NEMA)

0 kW

### Ambient storage temperature - min

40 °C

### Rated control supply voltage (Us) at DC - min

0 V

### Rated breaking capacity at 380/400 V

320 A

### Rated control supply voltage (Us) at AC, 50 Hz - max

230 V

### Number of main contacts (normally open contact)

3

### Screw size

M6, Terminal screw

M3.5, Terminal screw

### Rated operational current (Ie) at AC-4, 400 V

0 A

### Power consumption, sealing, 50 Hz

22 W, Dual-frequency coil in a cold state and 1.0 x Us

## Resources

### Brochures

[DILAT DILMT ZBT - brochure](#)

### 2D drawings

[eaton-contactors-contactor-dimensions-003.eps](#)

[eaton-contactors-contactor-dimensions-005.eps](#)

[2100DIM-60](#)

[2100DIM-55](#)

[2100DRW-436](#)

[000I052](#)

[eaton-general-mounting-contactor-3d-drawing.eps](#)

[eaton-contactors-contactor-3d-drawing-002.eps](#)

### Instruction/installation leaflet

[IL034051ZU](#)

### Wiring diagrams

[210S045](#)

[eaton-contactors-contact-dilm-wiring-diagram-003.eps](#)

### Catalogs

[Switching and protecting motors - catalog](#)

0 W, Dual-frequency coil in a cold state and 1.0 x Us

#### Terminal capacity (stranded)

1 x (2.5 - 25) mm<sup>2</sup>

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

#### Ambient operating temperature - max

55 °C

#### Climatic proofing

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

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

#### Connection to SmartWire-DT

No

#### Electrical connection type of main circuit

Screw connection

#### Rated control supply voltage (Us) at DC - max

0 V

#### Number Of Poles

Three-pole

#### Utilization category

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

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

#### Ambient operating temperature - min

-25 °C

#### Used with

DILMT95-XHI11-SR and DILT-XHI01(10)

#### Application

Contactors for Motors

#### Actuating voltage

230 V 50 Hz, 240 V 60 Hz

#### Operating frequency

3600 mechanical Operations/h (AC operated)

#### Voltage type

AC

#### Product category

Contactors

#### Rated operational power at AC-3, 690 V, 50 Hz

22 kW

Power consumption, pick-up, 50 Hz

0 VA, Dual-frequency coil in a cold state and 1.0 x Us  
220 VA, Dual-frequency coil in a cold state and 1.0 x Us

Pick-up voltage

0.85 - 1.1 V AC x Uc

Conventional thermal current  $I_{th}$  at 40°C (3-pole, open)

60 A

Terminal capacity (solid)

2 x (0.75 - 2.5) mm<sup>2</sup>  
1 x (0.75 - 2.5) mm<sup>2</sup>  
1 x (2.5 - 25) mm<sup>2</sup>, Main cables  
2 x (2.5 - 16) mm<sup>2</sup>, Main cables

Number of auxiliary contacts (normally closed contacts)

0

Lifespan, mechanical

5,000,000 Operations (AC operated)

Rated operational power at AC-3, 240 V, 50 Hz

12.5 kW

Degree of protection

IP20

Overvoltage category

III

Ambient storage temperature - max

80 °C

Rated operational voltage (Ue) at AC - max

690 V

Pollution degree

3

Rated control supply voltage (Us) at AC, 60 Hz - min

240 V

Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V

60 A

Power consumption, pick-up, 60 Hz

0 VA, Dual-frequency coil in a cold state and 1.0 x Us  
220 VA, Dual-frequency coil in a cold state and 1.0 x Us

Rated impulse withstand voltage (Uimp)

6000 V AC

Tightening torque

1.2 Nm, Screw terminals

2.5 Nm

#### Frame size

FS3

#### Screwdriver size

2, Terminal screw, Pozidriv screwdriver

2, Terminal screw, Control circuit cables, Pozidriv screwdriver

#### Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V

40 A

#### Rated control supply voltage (Us) at AC, 60 Hz - max

240 V

#### Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V

40 A

#### Number of auxiliary contacts (normally open contacts)

0

#### Rated insulation voltage (Ui)

690 V



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