

[United States](#) [Select your location](#)

[Sign in](#)

We make what matters work\*

[Products](#) [Digital Services](#) [Markets](#) [Support Company](#)

Search

[Products](#)

- [Actuators and motion control](#)
- [Backup power, UPS, surge & IT power distribution](#)
- [Clutches and brakes](#)
- [Conduit, cable & wire management](#)
- [Cylinders](#)
- [Differentials](#)
- [Ducting solutions](#)
- [Electrical circuit protection](#)
- [Electric vehicles and EV charging](#)
- [Electronic components](#)
  
- [Enclosures](#)
- [Energy storage systems](#)
- [Engine solutions](#)
- [Filtration solutions](#)
- [Fuel systems, emissions and components](#)
- [Furniture](#)
- [Golf grips](#)
- [Hose, tubing, fittings and connectors](#)
- [Hydraulic motors and generators](#)
  
- [Hydraulic power packs and accumulators](#)
- [Industrial controls, drives, automation and sensors](#)
- [Life support systems](#)
- [Lighting and controls](#)
- [Low-voltage power distribution & control systems](#)
- [Medium-voltage power distribution & control systems](#)
- [Plastics](#)
- [Process safety, automation, test and measurement](#)
- [Pumps](#)
  
- [Residential](#)
- [Safety, security & emergency communications](#)
- [Server racks, enclosures & airflow management](#)
- [Support systems](#)
- [Transmissions](#)
- [Utility & grid solutions](#)
- [Valves](#)
- [Wiring devices & connectivity](#)

[Digital](#)

- [Brightlayer Experience Hub](#)
- [Explore our digital catalog](#)
- [Discover Brightlayer](#)
- [Understanding Industry 4.0](#)

- [For developers](#)

#### [Services](#)

Close Search

#### [Markets](#)

Close Search

- [Aerospace](#)
- [Buildings](#)
- [Data centers](#)
- [Eaton Experience Centers](#)
- [Food and beverage](#)
- [Government and military](#)
- [Healthcare](#)
- [Machine building](#)
  
- [Marine](#)
- [Mining, metals and minerals](#)
- [Oil and gas](#)
- [Rail](#)
- [Renewables](#)
- [Residential](#)
- [Utilities](#)
  
- [Vehicles](#)

#### [Support](#)

Close Search

- [Contact technical support](#)
- [Download center](#)
- [How to buy](#)
- [Terms and conditions](#)
- [Tools](#)
- [Training and education](#)
- [Warranty and returns](#)

#### [Company](#)

Close Search

- [Overview](#)
- [About us](#)
- [News & insights](#)
- [Careers](#)
- [Investor relations](#)
- [Research & development](#)
  
- [Corporate governance](#)
- [Sustainability](#)
- [Inclusion & diversity](#)
- [Ethics & compliance](#)
- [Partnering with Eaton](#)
  
- [Selling to Eaton](#)

#### [MyEaton](#)

Close Search

#### Quick links



MSC motor starters combinations  
102955

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

How to buy

[Back to search](#)

[Download](#) [Zoom](#)

Photo is representative

[Download](#) [Zoom](#)

Photo is representative

[Download](#) [Zoom](#)

Photo is representative

[Download](#) [Zoom](#)

Photo is representative

[Download](#) [Zoom](#)

Photo is representative

[Previous](#) [Next](#)

[Download](#) [Zoom](#)

- 
- 
- 
- 
- 

[Previous](#) [Next](#)

# 102955

Eaton Moeller® series MSC-D DOL starter, 380 V 400 V 415 V: 3 kW, Ir= 6.3 - 10 A, 230 V 50 Hz, 240 V 60 Hz, AC voltage

[Add a free sample to the cart](#) [How to buy](#)

- [Configurator Motor starter combinations](#)

×



## Products cannot be sold together

Products in your cart cannot be sold together in one transaction. Please choose to either keep your existing cart, or create a new cart with this product.

You can purchase your products in separate transactions.

[Keep My Cart](#)

[Create a New Cart](#)



## Item is already in the cart.

Okay

Photo is representative

### Designed to work together

Discover other Eaton products and accessories built to enhance this product.

- [101044](#)

101044

Eaton Moeller® series DILA Auxiliary contact module, Type: high version, 4 pole, Ith= 16 A, 2 N/O, 2 NC, Front fixing, Screw terminals, MSC

- [101043](#)

101043

Eaton Moeller® series DILA Auxiliary contact module, Type: high version, 2 pole, Ith= 16 A, 1 N/O, 1 NC, Front fixing, Screw terminals, MSC

- [101042](#)

101042

Eaton Moeller® series DILA Auxiliary contact module, Type: high version, 2 pole, Ith= 16 A, 2 N/O, Front fixing, Screw terminals, MSC

- [101041](#)

101041

Eaton Moeller® series DILA Auxiliary contact module, Type: high version, 2 pole, Ith= 16 A, 2 NC, Front fixing, Screw terminals, MSC

Go to Previous Item

Go to Next Item

- [101044](#)

101044

Eaton Moeller® series DILA Auxiliary contact module, Type: high version, 4 pole, Ith= 16 A, 2 N/O, 2 NC, Front fixing, Screw terminals, MSC

- [101043](#)

101043

Eaton Moeller® series DILA Auxiliary contact module, Type: high version, 2 pole, Ith= 16 A, 1 N/O, 1 NC, Front fixing, Screw terminals, MSC

- [101042](#)

101042

Eaton Moeller® series DILA Auxiliary contact module, Type: high version, 2 pole, Ith= 16 A, 2 N/O, Front fixing, Screw terminals, MSC

- [101041](#)

101041

Eaton Moeller® series DILA Auxiliary contact module, Type: high version, 2 pole, Ith= 16 A, 2 NC, Front fixing, Screw terminals, MSC

[View more](#) [View less](#)

- [General specifications](#)
- [Product specifications](#)

## General specifications

### Product Name

Eaton Moeller® series MSC-D DOL starter

### Catalog Number

102955

### Model Code

MSC-D-10-M7(230V50HZ)/BBA

### EAN

4015081027941

### Product Length/Depth

154 mm

### Product Height

200 mm

### Product Width

45 mm

### Product Weight

0.875 kg

### Certifications

CSA

UL

UL 508 (on request)

CSA-C22.2 No. 14-10

IEC/EN 60947-4-1

UL File No.: E123500

UL60947-4-1A

CE

UL Category Control No.: NKJH

CSA File No.: 012528

CSA Class No.: 3211-04

CSA-C22.2 No. 14 (on request)

## Product specifications

### Rated operational current for specified heat dissipation (In)

10 A

### 10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

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

3 kW

### Rated operational voltage

230 - 415 V AC

### Rated conditional short-circuit current, type 1, 480 Y/277 V

0 A

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

230 V

### 10.4 Clearances and creepage distances

Meets the product standard's requirements.

### 10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

### Mounting method

Mounting on Busbar 60 mm

### 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

Rated power at 575 V, 60 Hz, 3-phase

0 kW  
Rated power at 460 V, 60 Hz, 3-phase  
0 kW  
10.2.3.1 Verification of thermal stability of enclosures  
Meets the product standard's requirements.  
Rated control supply voltage (Us) at DC - min  
0 V  
Fitted with:  
Short-circuit release  
Number of pilot lights  
0  
Rated control supply voltage (Us) at AC, 50 Hz - max  
230 V  
Coordination type  
1  
10.8 Connections for external conductors  
Is the panel builder's responsibility.  
Coordination class (IEC 60947-4-3)  
Class 1  
Rated conditional short-circuit current, type 1, 600 Y/347 V  
0 A  
Power consumption, sealing, 50 Hz  
1.2 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz  
Ambient operating temperature - max  
55 °C  
Rated operational power at AC-3, 220/230 V, 50 Hz  
1.5 kW  
Connection to SmartWire-DT  
No  
Number of command positions  
0  
Static heat dissipation, non-current-dependent Pvs  
1.4 W  
Electrical connection type of main circuit  
Screw connection  
Electrical connection type for auxiliary- and control-current circuit  
Screw connection  
Rated control supply voltage (Us) at DC - max  
0 V  
10.9.3 Impulse withstand voltage  
Is the panel builder's responsibility.  
Ambient operating temperature - min  
-25 °C  
10.6 Incorporation of switching devices and components  
Does not apply, since the entire switchgear needs to be evaluated.  
10.5 Protection against electric shock  
Does not apply, since the entire switchgear needs to be evaluated.  
Class  
CLASS 10 A  
10.13 Mechanical function  
The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.  
10.2.6 Mechanical impact  
Does not apply, since the entire switchgear needs to be evaluated.  
10.9.4 Testing of enclosures made of insulating material  
Is the panel builder's responsibility.  
10.3 Degree of protection of assemblies  
Does not apply, since the entire switchgear needs to be evaluated.  
Heat dissipation per pole, current-dependent Pvid  
2.8 W  
Actuating voltage  
230 V 50 Hz  
240 V 60 Hz  
Voltage type  
AC  
Switching capacity (auxiliary contacts, general use)

15 A, 600 V AC, (UL/CSA)  
1 A, 250 V DC, (UL/CSA)  
Overload release current setting - min  
6.3 A  
Equipment heat dissipation, current-dependent P<sub>vid</sub>  
8.4 W  
Heat dissipation capacity P<sub>diss</sub>  
0 W  
Rated operational current (I<sub>e</sub>)  
6.6 A  
Suitable for  
Also motors with efficiency class IE3  
Number of auxiliary contacts (normally closed contacts)  
0  
Rated conditional short-circuit current (I<sub>q</sub>), type 2, 380 V, 400 V, 415 V  
100 A  
Power consumption  
1.4 W  
10.2.3.2 Verification of resistance of insulating materials to normal heat  
Meets the product standard's requirements.  
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  
Meets the product standard's requirements.  
Overload release current setting - max  
10 A  
10.9.2 Power-frequency electric strength  
Is the panel builder's responsibility.  
Overvoltage category  
III  
Degree of protection  
IP20  
NEMA Other  
Pollution degree  
3  
Rated control supply voltage (U<sub>s</sub>) at AC, 60 Hz - min  
0 V  
10.7 Internal electrical circuits and connections  
Is the panel builder's responsibility.  
Rated impulse withstand voltage (U<sub>imp</sub>)  
6000 V AC  
Connection  
Screw terminals  
10.10 Temperature rise  
The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  
Functions  
Temperature compensated overload protection  
Rated conditional short-circuit current (I<sub>q</sub>), type 2, 230 V  
0 A  
Type  
Starter with Bi-Metal release  
10.2.2 Corrosion resistance  
Meets the product standard's requirements.  
10.2.4 Resistance to ultra-violet (UV) radiation  
Meets the product standard's requirements.  
10.2.7 Inscriptions  
Meets the product standard's requirements.  
Short-circuit release (I<sub>rm</sub>) - max  
155 A  
Rated control supply voltage (U<sub>s</sub>) at AC, 60 Hz - max  
0 V  
Rated operational current (I<sub>e</sub>) at AC-3, 380 V, 400 V, 415 V  
7 A  
Model  
Direct starter  
Number of auxiliary contacts (normally open contacts)  
1

Altitude  
Max. 2000 m  
Switching capacity (auxiliary contacts, pilot duty)  
A600, AC operated (UL/CSA)  
P300, DC operated (UL/CSA)  
Serial Number Verified :

Authenticated: ✓

The product is verified as being authentic; however, this does not guarantee the condition or fit for purpose of the product.

## Brochures

- [Save time and space thanks to the new link module PKZM0-XDM32ME](#)
- [Simple, flexible and safe! Distribution system for motor-starter combinations](#)
- [Motor Starters in System xStart - brochure](#)

Download all files

## Catalogs

- [Product Range Catalog Switching and protecting motors](#)

## Declarations of conformity

- [DA-DC-00004878.pdf](#)
- [DA-DC-00004910.pdf](#)

## Drawings

- [eaton-manual-motor-starters-adapter-msc-d-dol-starter-dimensions.eps](#)
- [eaton-general-ie-ready-dilm-contactor-standards.eps](#)

Download all files

## eCAD model

- [DA-CE-ETN.MSC-D-10-M7\(230V50HZ\)\\_BBA](#)

## Installation instructions

- [IL03402015Z](#)
- [IL034014ZU](#)
- [IL034038ZU](#)

Download all files

## Installation videos

- [WIN-WIN with push-in technology](#)

## mCAD model

- [DA-CS-msc\\_d\\_bba\\_bg1](#)
- [DA-CD-msc\\_d\\_bba\\_bg1](#)

Download all files

## Wiring diagrams

- [eaton-manual-motor-starters-device-msc-d-dol-starter-wiring-diagram.eps](#)

## [Export product specification](#)

•



Enter your city, state, or zip code or [Locate me](#)

City, state

Search

Show locations that offer:

- Product pickup
- Order online and ship product

- 102955

Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.

Company

- [About us](#)
- [Careers](#)
- [Inclusion and Diversity](#)
- [Investor relations](#)
- [Sustainability](#)
- [News and insights](#)
- [Slavery and human trafficking statement](#)

Quick links

- [Sign in](#)
- [Support](#)
- [Policies and statements](#)
- [Terms and conditions](#)
- [Responsible sourcing of conflict minerals](#)
- [Subscribe to emails](#)

Let's talk big ideas

- 
- 
- 
- 

[View all social media](#)

- [Sitemap](#)
- [Privacy, cookies & data protection policy](#)
- [Do not sell my data request \(CCPA and other states\)](#)

© 2023 Eaton. All Rights Reserved.

[Back to top of the page](#)

Are you sure?

[Cancel](#) [Sign out](#)

Are you sure?

[Cancel](#) [Sign out](#)

