

Eaton 191102

Catalog Number: 191102

Eaton Moeller® series MSC-DM DOL starter, 380 V 400 V 415 V:
0.06 kW, $I_r = 0.16 - 0.25$ A, 24 V DC, DC voltage MSC-DM-0,25-
M7(24VDC)/MSFA



General specifications

Product Name	Catalog Number
Eaton Moeller® series MSC-DM DOL starter	191102
	EAN
	4015081916009
Product Length/Depth	Product Height
115 mm	180 mm
Product Width	Product Weight
45 mm	0.724 kg
Certifications	
UL 508 (on request)	
CSA-C22.2 No. 14 (on request)	

Features & Functions

Fitted with:

Short-circuit release

Functions

Temperature compensated overload protection

General

Class

CLASS 10 A

Connection

Screw terminals

Connection to SmartWire-DT

No

Coordination type

2

Degree of protection

IP20

NEMA Other

Model

IEC starter

Mounting method

Motor starter Feeder System

Number of auxiliary contacts (normally closed contacts)

0

Number of auxiliary contacts (normally open contacts)

1

Overload release current setting - min

0.16 A

Overload release current setting - max

0.25 A

Overvoltage category

III

Pollution degree

3

Rated impulse withstand voltage (Uimp)

6000 V AC

Suitable for

Also motors with efficiency class IE3

Type

Starter with Bi-Metal release

Voltage type

DC

Climatic environmental conditions

Altitude

Max. 2000 m

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

55 °C

Electrical rating

Rated operational current (I_e)

0.21 A

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

0.25 A

Rated operational power at AC-3, 220/230 V, 50 Hz

0.04 kW

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

0.06 kW

Rated operational voltage

230 - 415 V AC

Short-circuit rating

Rated conditional short-circuit current (I_q), type 2, 380 V, 400 V, 415 V

50000 A

Short-circuit release (I_{rm}) - max

3.9 A

Magnet system

Power consumption (sealing) at DC

2.6 W

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

0 V

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

0 V

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

0 V

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

0 V

Rated control supply voltage (U_s) at DC - min

24 V

Rated control supply voltage (U_s) at DC - max

24 V

Design verification

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2.3.2 Verification of resistance of insulating materials to normal heat

Resources

Brochures

[eaton-msfs-motor-starter-feeder-system-brochure-br034005en-en-us.pdf](#)

[eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf](#)

Catalogs

Product Range Catalog Switching and protecting motors

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-](#)

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.

[10.2.4 Resistance to ultra-violet \(UV\) radiation](#)

Meets the product standard's requirements.

[10.2.5 Lifting](#)

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

[10.2.6 Mechanical impact](#)

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

[10.2.7 Inscriptions](#)

Meets the product standard's requirements.

[10.3 Degree of protection of assemblies](#)

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

[10.4 Clearances and creepage distances](#)

Meets the product standard's requirements.

[10.5 Protection against electric shock](#)

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

[10.6 Incorporation of switching devices and components](#)

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

[10.7 Internal electrical circuits and connections](#)

Is the panel builder's responsibility.

[10.8 Connections for external conductors](#)

Is the panel builder's responsibility.

[10.9.2 Power-frequency electric strength](#)

Is the panel builder's responsibility.

[10.9.3 Impulse withstand voltage](#)

Is the panel builder's responsibility.

[10.9.4 Testing of enclosures made of insulating material](#)

Is the panel builder's responsibility.

[10.10 Temperature rise](#)

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

[us.pdf](#)

[Drawings](#)

[eaton-manual-motor-starters-msc-d-dol-starter-dimensions-005.eps](#)

[eaton-manual-motor-starters-msc-d-dol-starter-3d-drawing-003.eps](#)

[eaton-general-ie-ready-dilm-contactor-standards.eps](#)

[eCAD model](#)

[ETN.191102.edz](#)

[Installation instructions](#)

[IL034030ZU](#)

[IL015082ZU.pdf](#)

[Installation videos](#)

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

[mCAD model](#)

[DA-CD-msc_dm_mfsa](#)

[DA-CS-msc_dm_mfsa](#)

[Sales notes](#)

[eaton-link-module-for-motor-starters-pkz-flyer-fl034003en-en-us.pdf](#)

[Wiring diagrams](#)

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

10.11 Short-circuit rating

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

10.12 Electromagnetic compatibility

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

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.



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