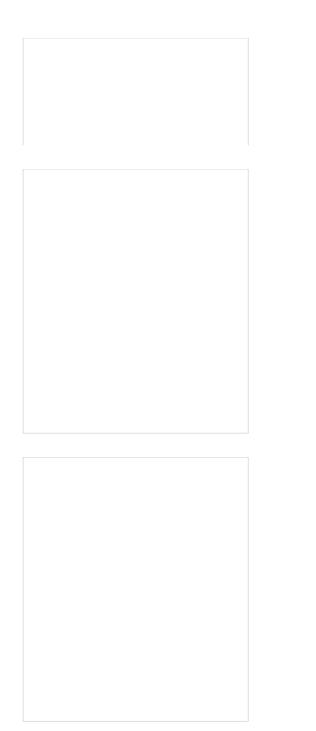
				Products Digit
MSC MOTOR STARTERS COMBINATIONS 121741	Overview	Specifications	Resources	How
		Eaton l kA, Ir=		C-DE DOL starter, 380 Vz, 240 V 60 Hz, AC volta



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Designed to work together

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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

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

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

101041

Eaton Moeller® series DILA Au contact module, Type: high vers Ith= 16 A, 2 NC, Front fixing, S terminals, MSC

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GENERAL SPECIFICATIONS

General specifications

Product specifications

MODEL CODE

EAN

PRODUCT NAME

CATALOG NUMBER

PRODUCT LENGTH/DEPTH

PRODUCT HEIGHT

PRODUCT WIDTH PRODUCT WEIGHT

CERTIFICATIONS

Eaton Moeller® series MSC-DE DOL starter

121741

MSC-DE-12-M9(230V50HZ)

4015081195510

102 mm

198 mm

45 mm

0.724 kg VDE 0660

IEC/EN 60947-4-1

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT $_{\rm 9\,A}$ DISSIPATION (IN)

4 kW

10.11 SHORT-CIRCUIT RATING

Is the panel builder's responsibility. The specification must be observed.

RATED OPERATIONAL POWER AT AC-3, $380/400~\mathrm{V}, 50$ HZ

RATED OPERATIONAL VOLTAGE

230 - 415 V AC

RATED CONDITIONAL SHORT-CIRCUIT CURRENT, TYPE 1, 480 Y/277 V

0 A

RATED CONTROL SUPPLY VOLTAGE (IIS) AT AC 50 3/7

WHE COMMODULINE TODINGS, OUT IN 100, OV	
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 specification must be observed.
MOUNTING METHOD	DIN rail
CUT-OUT PERIODS - MIN	\leq 500 ms, main conducting paths, AC-4 cycle opera
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
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
FITIED WITH:	Short-circuit release
CURRENT FLOW TIMES - MIN	700 (Class 10) AC-4 cycle operation, Main conduct 500 (Class 5) AC-4 cycle operation, Main conductin Note: Going below the minimum current flow time of the load (motor). 900 (Class 15) AC-4 cycle operation, Main conduct 1000 (Class 20) AC-4 cycle operation, Main conduct For all combinations with an SWD activation, you the minimum current flow times and minimum cut-
NUMBER OF PILOT LIGHTS	0
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	125 A, max. CB, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA)
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
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	100 kA at 380 – 400 V
POWER CONSUMPTION, SEALING, 50 HZ	1.4 W, Dual-frequency coil in a cold state and 1.0 x
AMBIENT OPERATING TEMPERATURE - MAX	55 ℃
RATED OPERATIONAL POWER AT AC-3, 220/230 V, 50 HZ	2.2 kW
CONNECTION TO SMARTWIRE-DT	No

NUMBER OF COMMENT I OSHIONS	v
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
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to
CLASS	Adjustable
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the in instruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
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
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.7 W
ACTUATING VOLTAGE	230 V 50 Hz 240 V 60 Hz
VOLTAGE TYPE	AC
O VERLO AD RELEASE CURRENT SETTING - MIN	3 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	2.2 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE)	8.5 A
SUITABLE FOR	Also motors with efficiency class IE3
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
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	Meets the product standard's requirements.

5/7

O VERLO AD RELEASE CURRENT SETTING - MAX

HEAT/FIRE BY INTERNAL ELECT. EFFECTS

12 A

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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 (US) AT AC, 60 HZ - MIN	0 V
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
CONNECTION	Screw terminals
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
FUNCTIONS	Temperature compensated overload protection
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ), TYPE 2, 230 V	0 A
ТУРЕ	Starter with electronic trip unit
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 (IRM) - MAX	186 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	9 A
MODEL	Direct starter
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	1
ALTITUDE	Max. 2000 m

Brochures

Catalogs

Certification reports

Drawings
eCAD model
Installation instructions
Installation videos
mCAD model
Wiring diagrams
121741

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