MSC MOTOR STARTERS COMBINATIONS
121751

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Eaton Moeller® series MSC-DE DOL starter, 380 V
kA, Ir= 8 - 32 A, 230 V 50 Hz, 240 V 60 Hz, AC voltag

How to buy

Configurator Motor starter combinations

General specifications ›

Product specifications ›

GENERAL SPECIFICATIONS

PRODUCT NAME	Eaton Moeller® series MSC-DE DOL starter
CATALOG NUMBER	121751
MODEL CODE	MSC-DE-32-M32(230V50HZ)
EAN	4015081195619
PRODUCT LENGTH/DEPTH	128 mm
PRODUCT HEIGHT	242 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	1.025 kg
CERTIFICATIONS	VDE 0660 IEC/EN 60947-4-1

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	32 A
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specificatio must be observed.
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	15 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 specificatio must be observed.
MOUNTING METHOD	DIN rail
CUT-OUT PERIODS - MIN	≤ 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

FITTED WITH:	Short-circuit release
CURRENT FLOW TIMES - MIN	700 (Class 10) AC-4 cycle operation, Main conduct Note: Going below the minimum current flow time of the load (motor). 900 (Class 15) AC-4 cycle operation, Main conduct For all combinations with an SWD activation, you the minimum current flow times and minimum cut- 1000 (Class 20) AC-4 cycle operation, Main conduc 500 (Class 5) AC-4 cycle operation, Main conductir
NUMBER OF PILOT LIGHTS	0
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	5 kA, SCCR (UL/CSA)
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	230 V
COORDINATION TYPE	2
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
COORDINATION CLASS (IEC 60947-4-3)	Class 2
RATED CONDITIONAL SHORT-CIRCUIT CURRENT, TYPE 1, 600 Y/347 V	0 A
POWER CONSUMPTION, SEALING, 50 HZ	2.1 W, Dual-frequency coil in a cold state and 1.0 x
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
RATED OPERATIONAL POWER AT AC-3, 220/230 V, 50 HZ	7.5 kW
CONNECTION TO SMARTWIRE-DT	No
NUMBER OF COMMAND POSITIONS	0
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	2.1 W
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ), 500 V	50 A
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 inf 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	3.5 W
ACTUATING VOLTAGE	230 V 50 Hz 240 V 60 Hz
VOLTAGE TYPE	AC
OVERLOAD RELEASE CURRENT SETTING - MIN	8 A
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	10.5 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE)	29.3 A
SUITABLE FOR	Also motors with efficiency class IE3
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ), TYPE 2, 380 V, 400 V, 415 V	100000 A
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.
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	18.5 kW
OVERLOAD RELEASE CURRENT SETTING - MAX	32 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 (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 OPERATIONAL CURRENT (IE) AT AC-3, 500 V	28.9 A
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ), TYPE 2, 230 V	100000 A
TYPE	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	496 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	32 A
MODEL	Direct starter
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	1

Brochures

Catalogs

Certification reports

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

Wiring diagrams

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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.