

MSC MOTOR STARTERS COMBINATIONS
283168


Overview


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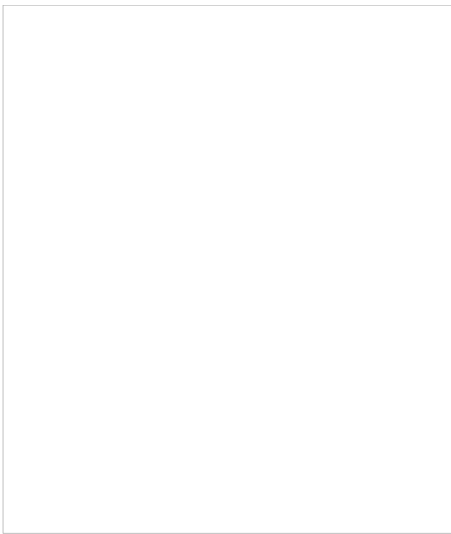


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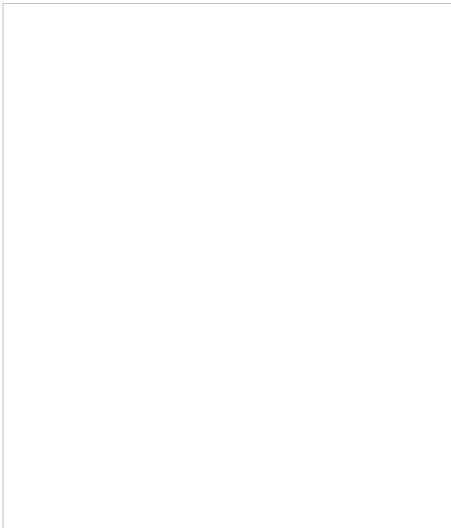


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283168

Eaton Moeller® series MSC-D DOL starter, 380 V 4
16 A, 24 VDC, DC MSC-D-16-M17(24VDC)

How to buy

 [Configurator Motor starter combinations](#)

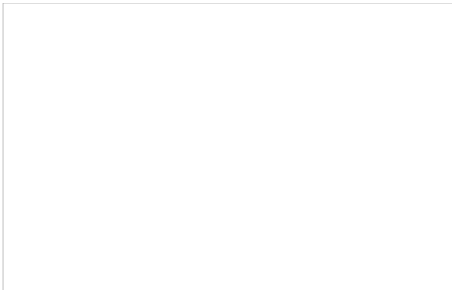


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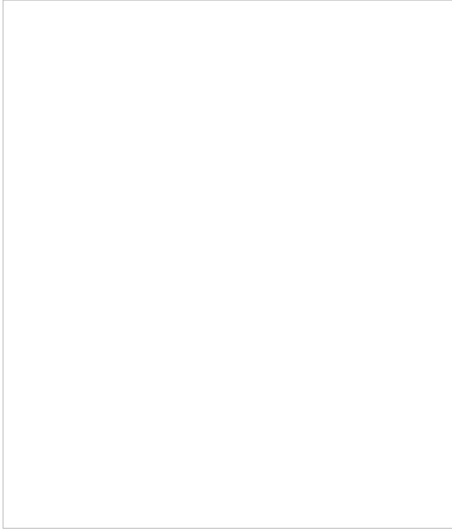


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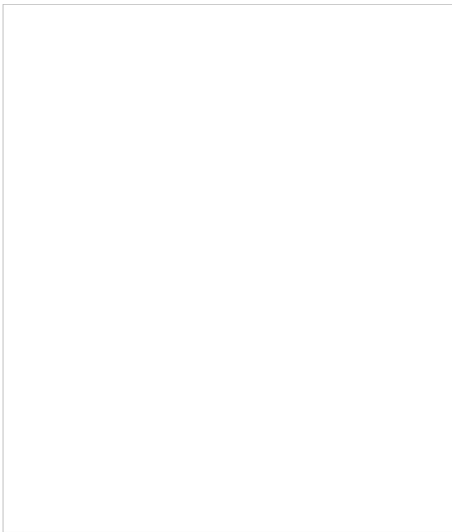


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Designed to work together

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

118561

Eaton Moeller® series DIL-SWD Function element, contactor, SmartWire-DT, DIL/MSC, manual/auto

118560

Eaton Moeller® series DIL-SWD Function element, contactor, SmartWire-DT, DIL/MSC

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GENERAL SPECIFICATIONS

General specifications	>	PRODUCT NAME	Eaton Moeller® series MSC-D DOL starter
		CATALOG NUMBER	283168
Product specifications	>	MODEL CODE	MSC-D-16-M17(24VDC)
		EAN	4015082831684
		PRODUCT LENGTH/DEPTH	123.4 mm
		PRODUCT HEIGHT	228 mm
		PRODUCT WIDTH	45 mm
		PRODUCT WEIGHT	0.975 kg

CERTIFICATIONS

UL
UL Category Control No.: NLRV
VDE 0660
CSA
UL File No.: E36332
CSA Class No.: 3211-24
CSA File No.: 012528
CE
CSA-C22.2 No. 60947-4-1-14
UL 60947-4-1
IEC/EN 60947-4-1

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 must be observed.
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	7.5 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	0 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 must be observed.
MOUNTING METHOD	DIN rail
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be lifted.
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	24 V
FITTED WITH:	Short-circuit release
NUMBER OF PILOT LIGHTS	0
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 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
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
RATED OPERATIONAL POWER AT AC-3, 220/230 V, 50 HZ	4 kW
CONNECTION TO SMARTWIRE-DT	No
NUMBER OF COMMAND POSITIONS	0
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0.9 W
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection

ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT	Screw connection
POWER CONSUMPTION (SEALING) AT DC	0.86 W
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	24 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	CLASS 10 A
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the 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	3.1 W
ACTUATING VOLTAGE	24 V DC
VOLTAGE TYPE	DC
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	1 A, 250 V DC, (UL/CSA) 15 A, 600 V AC, (UL/CSA)
OVERLOAD RELEASE CURRENT SETTING - MIN	10 A
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	9.3 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE)	15.2 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	50000 A
POWER CONSUMPTION	0.9 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	16 A
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	IP00 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	50000 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 (IRM) - MAX	248 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	16 A
MODEL	Direct starter
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	1
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)

Brochures

Catalogs

Declarations of conformity

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

Wiring diagrams

283168



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