

DOL starter, 3p, 3.0kW/400V/AC3, 100kA

Part no. MSC-D-10-M7(230V50/60HZ) Article no. 115912 XTSC010B007BG2NL Catalog No.



Design verification as per IEC/EN 61439			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	10
Heat dissipation per pole, current-dependent	P _{vid}	W	2.7
Equipment heat dissipation, current-dependent	P _{vid}	W	8.1
Static heat dissipation, non-current-dependent	P _{vs}	W	1.4
Heat dissipation capacity	P _{diss}	W	0
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
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.
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.

Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Motor starter/Motor starter combination (EC001037)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Load breakout, motor breakout / Motor starter combination (ecl@ss8.1-27-37-09-05

[AJZ/18010])		
Kind of motor starter		Direct starter
With short-circuit release		Yes
Rated control supply voltage Us at AC 50HZ	V	230 - 230
Rated control supply voltage Us at AC 60HZ	V	230 - 230
Rated control supply voltage Us at DC	V	0 - 0

Valuage by Point in actuating AC Rated operation power at AC-3, 481 V kW 3 Read operation power at AC-3, 481 V kW 0 Read operation power at AC-3, 481 V kW 0 Read operation current R AC, 400 V 6 Read operation current at AC-3, 400 V AC 3 Coverted relations current at AC-3, 400 V AC 3 Read conditional abort-circuit current, type 1, 480 Y277 V AC 0 Read conditional abort-circuit current, type 2, 480 Y277 V AC 0 Read conditional abort-circuit current, type 2, 480 Y277 V AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC <td< th=""><th></th><th></th><th></th></td<>			
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Rated power, 760 V, 80 Mr. 3-phase	Rated operation power at AC-3, 230 V, 3-phase	kW	1.5
Rated power, 515 V, 60 Hz, 2-phase kW 0 Rated operation current le Rodrogeration current al Ac-3,400 V A 5 Overtoud release current setting A 6.3 10 Batted operation current setting A 0 Overtoud release current setting A 0 Rated conditional short-circuit current, ype 1, 800 V/34 V A 0 Rated conditional short-circuit current, ype 2, 400 V A 0 Rated conditional short-circuit current, ype 2, 400 V A 0 Number of auxiliary contacts as normally open contact C 0 Number of auxiliary contacts as normally open contact C 0 Ambient temperature, upper operating limit C 0 Temperature compensated overload protection C 0 Temperature possible C 0 Temperature possible of passible protection of main circuit C 0 Type of electrical connection of auxiliary and control current circuit C 0 Suppering protection FP No No Suppering protection for PROFIBUS No No <tr< td=""><td>Rated operation power at AC-3, 400 V</td><td>kW</td><td>3</td></tr<>	Rated operation power at AC-3, 400 V	kW	3
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Rated operation current at AC-3,400 V A 3 10 Overload release current setting A 8.3 10 Rated conditional short-circuit current, type 1,480 Y/27 V A 0 Rated conditional short-circuit current, type 2,400 V A 0 Rated conditional short-circuit current, type 2,400 V A 0 Number of availilary contacts as normally open contact 1 0 Number of availilary contacts as normally open contact 2 0 Antibient temperature, upper operating limit 1 0 Tamporature composated world opracticion 2 0 Release class CASS 10 CASS 10 Type of electrical connection of main circuit Yes CASS 10 Type of electrical connection for availlary- and control current circuit Yes Yes Supporting protocol for TPD/IP Yes Yes Supporting protocol for TPD/IP No No Supporting protocol for PROFIBEUS No No Supporting protocol for ABS No No Supporting protocol for Dea-Helylary No No <td>Rated power, 575 V, 60 Hz, 3-phase</td> <td>kW</td> <td>0</td>	Rated power, 575 V, 60 Hz, 3-phase	kW	0
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Rated conditional short-circuit current, type 1,600 Y357 Y A 0 Rated conditional short-circuit current, type 1,200 Y457 Y A 0 Rated conditional short-circuit current, type 2,000 Y A 0 Number of auxiliary contacts as normally open contact Y 0 Number of auxiliary contacts as normally closed contact ***O 0 Ambient formprature, upper operating firmt ***O 0 Temperature compensated overfload protection ***O 0 Release class ***C CLSS 10 Type of electrical connection of main circuit ***C CLSS 10 Release class ***C CLSS 10 Release class ***C CLSS 10 Reporting protection flor maxiliary- and control current circuit ***C Pace vomenction Supporting protected for FOPPIP ***C No Supporting protected for FORPIP ***C No Supporting protected for FORD ***C No Supporting protected for MODBUS ***C No Supporting protected for MODBUS ***C No Su	Rated operation current at AC-3, 400 V	А	7
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