

Eaton 199072

Eaton Moeller® series Rapid Link - DOL starter, 6.6 A, Sensor input 2, 400/480 V AC, AS-Interface®, S-7.4 for 31 modules, HAN Q4/2, with manual override switch

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PRODUCT NAME	Eaton Rapid Link DOL starter
CATALOG NUMBER	199072
PRODUCT LENGTH/DEPTH	120 mm
PRODUCT HEIGHT	270 mm
PRODUCT WIDTH	220 mm
PRODUCT WEIGHT	1.8 kg
CERTIFICATIONS	UL approval CCC UL 60947-4-2 RoHS CE IEC/EN 60947-4-2
CATALOG NOTES	Assigned motor rating: for normal internally and externally ventilated 4 pole, three-phase asynchronous motors with 1500 rpm at 50 Hz or 1800 min at 60 Hz



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ТҮРЕ	DOL starter
FEATURES	Parameterization: drivesConnect mobile (App) Parameterization: Fieldbus Parameterization: drivesConnect Diagnostics and reset on device and via AS-Interface
	Parameterization: Keypad
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.
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 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.

DECLARATIONS OF CONFORMITY	eaton-reversing-starter- declaration-of-conformity- uk251063en.pdf
ECAD MODEL	ETN.RAMO5-D204A31- 412RS1.edz
MCAD MODEL	ramo5 v5.stp
WCAD WIODLE	ramo5 v5.dwg
00000	<u>IL034084ZU</u>
0000	eaton-rapid-link-5- brochure-br040014en-en- us.pdf
00	eaton-bus-adapter- rapidlink-reversing-starter- dimensions-002.eps
	eaton-bus-adapter- rapidlink-reversing-starter- dimensions-003.eps

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	ls the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	ls the panel builder's responsibility.
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH	ls the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	ls the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	ls the panel builder's responsibility.
FITTED WITH:	Thermistor monitoring PTC Key switch position AUTO Manual override switch Two sensor inputs through M12 sockets (max. 150 mA) for quick stop and interlocked manual operation Electronic motor protection Thermo-click Key switch position OFF/RESET Key switch position HAND Short-circuit release
CLASS	CLASS 10 A
LIFESPAN, ELECTRICAL	10,000,000 Operations (at AC-3)
CLIMATIC PROOFING	In accordance with IEC/EN 50178 < 95 %, no condensation
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4000 V

ALTITUDE Max. 1000 m Max. 2000 m Above 1000 m with 1 % performance reduction per 100 m LIFESPAN, MECHANICAL MAINS SWITCH-ON FREQUENCY ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT MAINS VOLTAGE TOLERANCE MOUNTING POSITION Plug-in connection MAINS VOLTAGE TOLERANCE MOUNTING POSITION Vertical RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ) OVERVOLTAGE CATEGORY CONNECTION OFF-DELAY CONNECTION OFF-DELAY DETAIL TO STANDAY FOR actuation of motors with mechanical brake External reset possible Temperature compensated overload protection ON-DELAY CONFIGURATION TYPE BRAKING CURRENT CU	MODEL	 Direct starter
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400/480 V AC -15 % / +10	CURRENT LIMITATION	circuit 0.3 - 6.6 A, motor, main
	OUTPUT FREQUENCY	50/60 Hz
motor brake	BRAKING VOLTAGE	%, Actuator for external

OVERLOAD CYCLE	AC-53a
OVERLOAD RELEASE CURRENT SETTING - MIN	0.3 A
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ), TYPE 2, 230 V	0 A
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ), TYPE 2, 380 V, 400 V, 415 V	0 A
RATED CONDITIONAL SHORT-CIRCUIT CURRENT, TYPE 1, 480 Y/277 V	10000 A
RATED CONDITIONAL SHORT-CIRCUIT CURRENT, TYPE 1, 600 Y/347 V	0 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED FREQUENCY - MAX	63 Hz
RATED FREQUENCY - MIN	47 Hz
RATED OPERATIONAL CURRENT (IE) AT 150% OVERLOAD	6.6 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	6.6 A
SHOCK RESISTANCE	15 g, Mechanical, According to IEC/EN 60068-2-27, 11 ms, Half- sinusoidal shock 11 ms, 1000 shocks per shaft
INTERFACES	Number of slave addresses: 31 (AS- Interface®)

	Max. total power consumption from AS-Interface® power supply unit (30 V): 190 mA Specification: S-7.4 (AS-Interface®)
PROTOCOL	AS-Interface profile cable: S-7.4 for 31 modules ASI
RATED CONTROL VOLTAGE (UC)	24 V DC (-15 %/+20 %, external via AS-Interface® plug) 400/480 V AC (external brake 50/60 Hz)
SUPPLY FREQUENCY	50/60 Hz, fLN, Main circuit
RATED OPERATIONAL CURRENT (IE)	6.6 A
RATED OPERATIONAL POWER AT 380/400 V, 50 HZ - MAX	3 kW
RATED OPERATIONAL POWER AT 380/400 V, 50 HZ - MIN	0.09 kW
RATED OPERATIONAL VOLTAGE	400 V AC, 3-phase 480 V AC, 3-phase
SHORT-CIRCUIT PROTECTION (EXTERNAL OUTPUT CIRCUITS)	Type 1 coordination via the power bus' feeder unit, Main circuit
VIBRATION	Resistance: 10 - 150 Hz, Oscillation frequency Resistance: According to IEC/EN 60068-2-6 Resistance: 57 Hz, Amplitude transition frequency on acceleration Resistance: 6 Hz, Amplitude 0.15 mm
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-10 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	3 HP
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY	0

OPEN CONTACTS)	
NUMBER OF COMMAND POSITIONS	1
NUMBER OF PILOT LIGHTS	0
OVERLOAD RELEASE CURRENT SETTING - MAX	6.6 A
RATED OPERATIONAL POWER AT AC-3, 220/230 V, 50 HZ	0 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	3 kW
RATED POWER AT 460 V, 60 HZ, 3-PHASE	2.238 kW
RATED POWER AT 575 V, 60 HZ, 3-PHASE	0 kW
PRODUCT CATEGORY	Motor starter
CABLE LENGTH	10 m, Radio interference level, maximum motor cable length
COORDINATION CLASS (IEC 60947-4-3)	Class 1
DEGREE OF PROTECTION	IP65 NEMA 12
ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT	Plug-in connection
INPUT CURRENT	6.6 A (at 150 % Overload)
POWER CONSUMPTION	8 W

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
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