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## Eaton 199075

Eaton Moeller® series Rapid Link - DOL starter, 6.6 A, Sensor input 2, AS-Interface®, S-7.A.E. for 62 modules, HAN Q4/2, with manual override switch

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<b>PRODUCT NAME</b>	Eaton Rapid Link DOL starter
<b>CATALOG NUMBER</b>	199075
<b>PRODUCT LENGTH/DEPTH</b>	120 mm
<b>PRODUCT HEIGHT</b>	270 mm
<b>PRODUCT WIDTH</b>	220 mm
<b>PRODUCT WEIGHT</b>	1.8 kg
<b>CERTIFICATIONS</b>	CE RoHS UL 60947-4-2 UL approval CCC IEC/EN 60947-4-2
<b>CATALOG NOTES</b>	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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<b>TYPE</b>	DOL starter
<b>FEATURES</b>	<p>Parameterization: drivesConnect mobile (App) Diagnostics and reset on device and via AS-Interface</p> <p>Parameterization: drivesConnect Parameterization: Fieldbus</p> <p>Parameterization: Keypad</p>
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.

DECLARATIONS OF CONFORMITY	<a href="#">eaton-reversing-starter-declaration-of-conformity-uk251063en.pdf</a>
ECAD MODEL	<a href="#">ETN.RAMO5-D200A32-412RS1.edz</a>
MCAD MODEL	<a href="#">ramo5_v5.stp</a> <a href="#">ramo5_v5.dwg</a>
□□□□□	<a href="#">IL034084ZU</a>
□□□□	<a href="#">eaton-rapid-link-5-brochure-br040014en-en-us.pdf</a>
□□	<a href="#">eaton-bus-adapter-rapidlink-reversing-starter-dimensions-003.eps</a> <a href="#">eaton-bus-adapter-rapidlink-reversing-starter-dimensions-002.eps</a>

<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>FITTED WITH:</b>	Key switch position OFF/RESET Key switch position HAND Thermistor monitoring PTC Electronic motor protection Two sensor inputs through M12 sockets (max. 150 mA) for quick stop and interlocked manual operation Key switch position AUTO Thermo-click Manual override switch Short-circuit release
<b>CLASS</b>	CLASS 10 A
<b>LIFESPAN, ELECTRICAL</b>	10,000,000 Operations (at AC-3)
<b>CLIMATIC PROOFING</b>	< 95 %, no condensation In accordance with IEC/EN 50178
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	4000 V

<b>MODEL</b>	Direct starter
<b>ALTITUDE</b>	Above 1000 m with 1 % performance reduction per 100 m Max. 1000 m Max. 2000 m
<b>LIFESPAN, MECHANICAL</b>	10,000,000 Operations (at AC-3)
<b>MAINS SWITCH-ON FREQUENCY</b>	Maximum of one time every 60 seconds
<b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>	Plug-in connection
<b>MAINS VOLTAGE TOLERANCE</b>	380 - 480 V (-15 %/+10 %, at 50/60 Hz)
<b>VOLTAGE TYPE</b>	DC
<b>MOUNTING POSITION</b>	Vertical
<b>RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)</b>	10 kA
<b>OVERVOLTAGE CATEGORY</b>	III
<b>CONNECTION</b>	Connections pluggable in power section
<b>OFF-DELAY</b>	20 - 35 ms
<b>FUNCTIONS</b>	External reset possible Temperature compensated overload protection
<b>ON-DELAY</b>	20 - 35 ms
<b>SYSTEM CONFIGURATION TYPE</b>	AC voltage Phase-earthed AC supply systems are not permitted. Center-point earthed star network (TN-S network)
<b>ELECTROMAGNETIC COMPATIBILITY</b>	Class A
<b>CURRENT LIMITATION</b>	Adjustable, motor, main circuit 0.3 - 6.6 A, motor, main circuit
<b>OUTPUT FREQUENCY</b>	50/60 Hz
<b>OVERLOAD CYCLE</b>	AC-53a
<b>OVERLOAD RELEASE CURRENT SETTING - MIN</b>	0.3 A
<b>RATED CONDITIONAL SHORT-CIRCUIT CURRENT, TYPE 1, 480 Y/277 V</b>	10000 A
<b>RATED CONTROL SUPPLY</b>	0 V

<b>VOLTAGE (US) AT AC, 50 HZ - MIN</b>	
<b>RATED FREQUENCY - MAX</b>	63 Hz
<b>RATED FREQUENCY - MIN</b>	47 Hz
<b>RATED OPERATIONAL CURRENT (IE) AT 150% OVERLOAD</b>	6.6 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>	6.6 A
<b>SHOCK RESISTANCE</b>	15 g, Mechanical, According to IEC/EN 60068-2-27, 11 ms, Half-sinusoidal shock 11 ms, 1000 shocks per shaft
<b>INTERFACES</b>	Max. total power consumption from AS-Interface® power supply unit (30 V): 190 mA Number of slave addresses: 62 (AS-Interface®) Specification: S-7.A.E. (AS-Interface®)
<b>PROTOCOL</b>	AS-Interface profile cable: S-7.4 for 62 modules ASI
<b>RATED CONTROL VOLTAGE (UC)</b>	24 V DC (-15 %/+20 %, external via AS-Interface® plug)
<b>SUPPLY FREQUENCY</b>	50/60 Hz, fLN, Main circuit
<b>RATED OPERATIONAL CURRENT (IE)</b>	6.6 A
<b>RATED OPERATIONAL POWER AT 380/400 V, 50 HZ - MAX</b>	3 kW
<b>RATED OPERATIONAL POWER AT 380/400 V, 50 HZ - MIN</b>	0.09 kW
<b>RATED OPERATIONAL VOLTAGE</b>	480 V AC, 3-phase 400 V AC, 3-phase
<b>SHORT-CIRCUIT PROTECTION (EXTERNAL OUTPUT CIRCUITS)</b>	Type 1 coordination via the power bus' feeder unit, Main circuit
<b>VIBRATION</b>	Resistance: According to IEC/EN 60068-2-6 Resistance: 6 Hz, Amplitude 0.15 mm Resistance: 10 - 150 Hz, Oscillation frequency Resistance: 57 Hz, Amplitude transition frequency on acceleration

<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	55 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-10 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	-40 °C
<b>ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE</b>	3 HP
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>	0
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)</b>	0
<b>NUMBER OF COMMAND POSITIONS</b>	1
<b>NUMBER OF PILOT LIGHTS</b>	0
<b>OVERLOAD RELEASE CURRENT SETTING - MAX</b>	6.6 A
<b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>	3 kW
<b>RATED POWER AT 460 V, 60 HZ, 3-PHASE</b>	2.238 kW
<b>PRODUCT CATEGORY</b>	Motor starter
<b>CABLE LENGTH</b>	10 m, Radio interference level, maximum motor cable length
<b>COORDINATION CLASS (IEC 60947-4-3)</b>	Class 1
<b>DEGREE OF PROTECTION</b>	NEMA 12 IP65
<b>ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT</b>	Plug-in connection
<b>INPUT CURRENT</b>	6.6 A (at 150 % Overload)
<b>POWER CONSUMPTION</b>	8 W

