



Part no.

RASP5-5402A31-512R000S1 198573

Product nome	Eaton Maallar® paring Darid Link Croad controller
Product name	Eaton Moeller® series Rapid Link Speed controller
Part no.	RASP5-5402A31-512R000S1
EAN	4015081964482
Product Length/Depth	157 millimetre
Product height	270 millimetre
Product width	220 millimetre
Product weight	3.58 kilogram
Certifications	CE UL 61800-5-1 RoHS IEC/EN 61800-5-1 UL approval
Product Tradename	Rapid Link
Product Type	Speed controller
Product Sub Type	None
Catalog Notes	3 fixed speeds and 1 potentiometer speed can be switched over from U/f to (vector) speed control Connection of supply voltage via adapter cable on round or flexible busbar junc Diagnostics and reset on device and via AS-Interface integrated PTC thermistor monitoring and Thermoclick with safe isolation optional: 4 sensor inputs with M12-Y adapter for switchover to creep speed optional: Faster stop if external 24 V fails Two sensor inputs through M12 sockets (max. 150 mA) for quick stop and interlocked manual operation with AUTO - OFF/RESET - HAND key switches with selector switch REV - OFF - FWD
Features	Parameterization: Fieldbus Diagnostics and reset on device and via AS-Interface Parameterization: drivesConnect Parameterization: Keypad Parameterization: drivesConnect mobile (App)
Fitted with:	Internal DC link Key switch position OFF/RESET PTC thermistor monitoring Key switch position HAND Thermo-click with safe isolation Control unit PC connection IGBT inverter Manual override switch Key switch position AUTO Two sensor inputs through M12 sockets (max. 150 mA) for quick stop and interlocked manual operation Selector switch (Positions: REV - OFF - FWD)
Functions	1 potentiometer speed 3 fixed speeds For actuation of motors with mechanical brake
Degree of protection	NEMA 12 IP65
Electromagnetic compatibility	1st and 2nd environments (according to EN 61800-3)
Overvoltage category	III
Product category	Speed controller
Protocol	ASI AS-Interface profile cable: S-7.4 for 31 modules
Radio interference class	C1: for conducted emissions only C2, C3: depending on the motor cable length, the connected load, and ambient conditions. External radio interference suppression filters (optional) may be necessary.
Rated impulse withstand voltage (Uimp)	2000 V

Interpretation Interpretation Statustice Statustice Statustice Winderstatus Statustice Statustice Ablance <		Phase-earthed AC supply systems are not permitted.
Back adminue Image: Specific Mathematic Advances of the SUPP Marker 20, 1 mm, back animum data back and support of the Support		
NationNumber of the second with the s	Mounting position	
Allocis Non-2006 Allocis Non-2006 <td< td=""><td>Shock resistance</td><td></td></td<>	Shock resistance	
	Vibration	Resistance: 6 Hz, Amplitude 0.15 mm Resistance: 57 Hz, Amplitude transition frequency on acceleration
Ambient opperature - min 40°C Ambient opperature - max 40°C Charactic postperature - max 40°C Delay time 55.56 A motor, main circuit Delay time 410°C Efficiency 85 % of 0° Heart obspective - max 85 % of 0° Heart obspective - max 35.00 Å of 35% current at 60% speed Mains current (bround PC - max 35.00 Å of 30% of 35% current at 60% speed Inside outrent ILN in 150% overload 55.00 Å of 000 Å of 50% current at 60% speed Mains current distortion 20% Motors Mains soutche of frequency 20% Motors Mains soutche of frequency 20% of 00% current at 60% speed Mains soutche of frequency 20% Motors Mains soutche of frequency 20% Motors Mains soutche of frequency 20% of 00 % Mains soutche of frequency 20% of 00 % Mains soutche of frequency 20% Of 00	Altitude	
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Clinatic grouting In accordance with IECE S1078 Current limitation SS, No conductation Datay time SS, No conductation Datay time SS, SS, No conductation District Carrent Line StS, Septed SS, SS, No conductation Non corrent distron SS, SS, SS, No conductation Mains cologe time SS, SS, No conductation District Carrent Line StS, Septed SS,	Ambient storage temperature - min	-40 °C
current limitation =55, no condensation Current limitation E5-55, no condensation Delay time E5-55, no condensation Delay time E5-55, no condensation Delay time E10-100, man circuit Algustable, notice, man circuit Algustable, notice, man circuit Algustable, notice, man circuit Algustable, notice, man circuit E10-innov E000000000000000000000000000000000000	Ambient storage temperature - max	70 °C
Petay time Adjustation, moti,	Climatic proofing	
Petay time Adjustation, moti,		
Efficiency 98 % [n] Heat dissipation at current/speed 36.6 W at 23% current and 05% speed 2.0 wit 25% current 300 wit 300 current 1.0 wit 25% current 300 wit 300 current 1.0 wit 35% current 300 wit 300 current 1.0 wit 35% current 300 wit 300 current 1.0 wit 35% current 300 wit 35% current 3		Adjustable, motor, main circuit < 10 ms, Off-delay
Heat dissipation at current/speed 36.5 W at 25% current and 0% speed 101 W at 25% current and 0% speed 30.1 W at 25% current and 0% speed 102 W at 150% overload 5.3 A Lockapa current disortion 5.3 A Mains voltage - max 5.3 A Mains voltage - max 460 V Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Mains voltage - min 300 - 480 V (105% urrent and 0% speed) Output frequency - min 410 °C Roted operational current (le) 56 A at 150% overlad) (at an oper		
Lakage current distortion 35 mA Mains current distortion 120 % Mains switch-on frequency 480 V Mains voltage - max 380 - 480 V (-10 %/-10 %, at 5006 Hz) Operating mode 380 - 480 V (-10 %/-10 %, at 5006 Hz) Operating mode 500 - 480 V (-10 %/-10 %, at 5006 Hz) Operating mode 500 - 480 V (-10 %/-10 %, at 5006 Hz) Operating mode 500 - 480 V (-10 %/-10 %, at 5006 Hz) Operating mode 500 - 480 V (-10 %/-10 %, at 5006 Hz) Output frequency - max 500 Hz Output frequency - max 500 Hz Output frequency - max 6147 °C Overload current (L at 150% overload 6147 °C Rated frequency - max 6147 °C Rated frequency - max 6147 °C Rated frequency - max 6148 A Rated frequency - max 22 KW Rated operational overent (le) 55 A at 150% overload (at an operating frequency of 8 kHz and an ambient air temperature of -40 °C (- Rated operational overent (le) 50 Hz Rated operational overent (le) 50 A at 50% overload (at an operating frequency of 8 kHz and an ambient air temperature of -40 °C (- Rated operational overent (le) 50 A at 150% ove	•	36.6 W at 25% current and 0% speed 38.1 W at 25% current and 50% speed 42 W at 50% current and 0% speed 42.5 W at 50% current and 90% speed 44.2 W at 50% current and 50% speed 55.9 W at 100% current and 0% speed 58.3 W at 100% current and 90% speed
Mains current distortion 20 % Mains switch-on frequency Maximum of one time every 80 seconds Mains voltage - min 480 V Mains voltage tolerance 380 - 480 V (10 %/10 %, at 50/80 Hz) Operating mode 380 - 480 V (110 %/10 %, at 50/80 Hz) Operating mode 380 - 480 V (10 %/10 %/10 %, at 50/80 Hz) Operating mode Synchronus reluctance motors Wirk room of Sonsorless vector control (SLV) BLDC motors Output frequency - max 0 Hz Rated frequency - max 0 Hz Rated frequency - max 6 Hz Rated operational current (le) 55 A at 150% contol dat an operating frequency of 8 Hz and an ambient air temperature of +40 °C) Rated operational power at 380,400 V, 50 Hz, 3-phase 2 VW Rated operational power at 380,400 V, 50 Hz, 3-phase 2 VW Rated operational power at 380,400 V, 50 Hz, 3-phase 3 VM AC, 3-phase Resolution 1 Hz (Frequency resolution, setpoint value) Suring current - max 5 W60 Hz Suppl frequency <td>Input current ILN at 150% overload</td> <td>5.3 A</td>	Input current ILN at 150% overload	5.3 A
Mains witch-on frequency Maximum of one time every 60 seconds Mains witcheon frequency 40 V Mains witcheon frequency 300 - 400 V (-10 %/+10 %, at SQ(60 Hz) Operating mode 200 - 400 V (-10 %/+10 %, at SQ(60 Hz) Operating mode 200 - 400 V (-10 %/+10 %, at SQ(60 Hz) Operating mode 200 - 400 V (-10 %/+10 %, at SQ(60 Hz) Operating mode 200 - 400 V (-10 %/+10 %, at SQ(60 Hz) Operating mode 200 - 400 V (-10 %/+10 %, at SQ(60 Hz) Operating mode 200 - 400 V (-10 %/+10 %, at SQ(60 Hz) Operating mode 200 - 400 V (-10 %/+10 %, at SQ(60 Hz) Operating mode 200 - 400 V (-10 %/+10 %, at SQ(60 Hz) Operating mode 200 - 400 V (-10 %/+10 %, at SQ(60 Hz) Operating mode 200 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 × 000 ×	Leakage current at ground IPE - max	3.5 mA
Mains voltage - max 480 V Mains voltage - min 380 V Mains voltage - min 380 V Mains voltage tolerance 380 V Operating mode 580 - 480 V (-10 %/-10 %, at 50/60 Hz) Operating mode Synchronous reluctance motors Output frequency - max 500 Hz Output frequency - min 0 Hz Overload current 1 H2 Overload current 6 Hz Rated requency - min 6 Hz Rated operational current (le) 6 Hz Rated operational current (le) 6 Hz Rated operational voltage 6 HZ Suphy Frequency 5 HZ Su	Mains current distortion	120 %
Mains voltage tolerance 360 V Operating mode 360 - 480 V (-10 %, 410 %, at 50/60 Hz) Operating mode PM and LSPM motors Synchronous reluctance motors Synchronous reluctance motors Output frequency - max 500 Hz Output frequency - min 0 Hz Overload current 0 Hz Overload current 440 °C Overload current (La 150% overload 84 A Rated frequency - max 64 Hz Rated frequency - max 64 Hz Rated operational current (la) 22 KW Rated operational power at 380/400 V, 50 Hz, 3-phase 64 Hz Rated operational voltage 21 Kg Solution 01 Hz (Frequency resolution, setpoint value) Supply frequency 01 Hz (Frequency resolution, setpoint value) Supply frequency 50 Kg Hz at 2 kHz adjustable, fPWM, Power section, Main circuit Supply frequency 60 Hz	Mains switch-on frequency	Maximum of one time every 60 seconds
Mains voltage tolerance 30 - 40 V (-10 %/-10 %, at 50/60 H/2) Operating mode WM and LSPM motors Synchronus reluctance motors Un'control Sensoriess vector control (SLV) Bensoriess vector control (SLV) Output frequency - max 500 H/2 Output frequency - min 0 H/2 Overload current 0 H/2 Overload current 8.4 A Rated frequency - max 6 H/2 Rated operational current (le) 8.4 A Rated operational current (le) 6 H/2 Rated operational power at 380/400 V, 50 Hz, 3-phase 6 H/2 Rated operational voltage 0 H/2 Rated operational voltage 0 H/2 Supply frequency 500 VAC, 3-phase	Mains voltage - max	480 V
Operating mode PM and LSPM motors Synchronous reluctance motors Synchronous reluctance motors Output frequency - max 500 Hz Overload current Hz Overload current Hz Overload current (La 150% overload) EVE Rated frequency - max EVE Rated frequency - max EVE Rated operational outward (Le) Sansories vector control (SLV) Rated operational outward (Le) EVE Rated operational outrent (Le) EVE Rated operational outrage EVE Rated operational outrage EVE Supply frequency Sing of Hz Supply	Mains voltage - min	380 V
Dutput frequency - max Dutput frequency - min Dutput frequency - min Dutput frequency - min Dutput frequency - min H 2 Dureload current C A 40 °C For 60 s every 600 s For 60 s every 600 s Dureload current L a 150% overload E4	Mains voltage tolerance	380 - 480 V (-10 %/+10 %, at 50/60 Hz)
Output frequency - min 0 Hz Overload current At 40 °C For 60 s every 600 s Overload current LL at 150% overload 84 A Rated frequency - max 64 Dz Rated frequency - min 55 A at 150% overload (at an operating frequency of 8 kHz and an ambient air temperature of +40 °C) Rated operational current (le) 55 A at 150% overload (at an operating frequency of 8 kHz and an ambient air temperature of +40 °C) Rated operational power at 380/400 V, 50 Hz, 3-phase 22 kW Rated operational voltage 480 V AC, 3-phase Rated operational voltage 0.1 Hz (Frequency resolution, setpoint value) Starting current - max 50/60 Hz Supply frequency 50/60 Hz Supply frequency 61/2 Assigned motor power at 460/480 V, 60 Hz, 3-phase 50/60 Hz Supply frequency 81/2 Assigned motor power at 460/480 V, 60 Hz, 3-phase 31/P	Operating mode	Synchronous reluctance motors U/f control Sensorless vector control (SLV)
Overload current At 40 °C Overload current IL at 150% overload 8.4 A Rated frequency - max 66 Hz Rated frequency - min 56 A at 150% overload (at an operating frequency of 8 kHz and an ambient air temperature of +40 °C) Rated operational current (le) 22 kW Rated operational power at 380/400 V, 50 Hz, 3-phase 22 kW Rated operational voltage 61 Hz Rated operational voltage 01 Hz (Frequency resolution, setpoint value) Starting current - max 020 %, Hx, max. starting current (High Overload), For 2 seconds every 20 seconds power section Supply frequency 64 Hz, - 32 kHz adjustable, fPWM, Power section, Main circuit Assigned motor power at 460/480 V, 60 Hz, 3-phase 84 Hz, 4 - 32 kHz adjustable, fPWM, Power section, Main circuit	Output frequency - max	500 Hz
Image: Proposition of the severy 600 s Dverload current IL at 150% overload 84 A Rated frequency - max 64 C Rated frequency - min 54 C Rated operational current (le) 56 A at 150% overload (at an operating frequency of 8 kHz and an ambient air temperature of +40 °C) Rated operational power at 380/400 V, 50 Hz, 3-phase 22 kW Rated operational voltage 60 C C Rated operational voltage 60 C C Stating current - max 60 C C Supply frequency 60 C C Supply frequency 60 C C Supply frequency 60 C C Assigned motor power at 460/480 V, 60 Hz, 3-phase 60 C C Supply frequency 60 C C Assigned motor power at 460/480 V, 60 Hz, 3-phase 60 C C Supply frequency 60 C C Assigned motor power at 460/480 V, 60 Hz, 3-phase 60 C C Supply frequency 60 C C Assigned motor power at 460/480 V, 60 Hz, 3-phase 60 C C Supply frequency 60 C C Assigned motor power at 460/480 V, 60 Hz, 3-phase 60 C C Supply frequency 60 C C Supply frequency 60 C C		
Rated frequency - max 6 Hz Rated frequency - min 5 Hz Rated operational current (le) 5 GA at 150% overload (at an operating frequency of 8 Hz and an ambient air emperature of +40 °C) Rated operational power at 380/400 V, 50 Hz, 3-phase 22 kW Rated operational voltage 800 V AC, 3-phase 400 V AC, 3-phase Resolution 1 Hz (Frequency resolution, setpoint value) Starting current - max 500 %, IH, max. starting current (High Overload), For 2 seconds every 20 seconds ev	Overload current	
Rated frequency - min 45 Hz Rated operational current (le) 5.6 A at 150% overload (at an operating frequency of 8 kHz and an ambient air temperature of +40 °C) Rated operational power at 380/400 V, 50 Hz, 3-phase 2.2 kW Rated operational voltage 480 V AC, 3-phase 400 V AC,	Overload current IL at 150% overload	8.4 A
Rated operational current (le) 5.6 A at 150% overload (at an operating frequency of 8 kHz and an ambient air temperature of +40 °C) Rated operational power at 380/400 V, 50 Hz, 3-phase 2.2 kW Rated operational voltage 480 V AC, 3-phase 400 V AC, 3-phase 400 V AC, 3-phase Resolution 0.1 Hz (Frequency resolution, setpoint value) Starting current - max 0.1 Hz (Frequency resolution, setpoint value) Supply frequency 5060 Hz Switching frequency 5060 Hz Assigned motor power at 460/480 V, 60 Hz, 3-phase 1142 (Frequency resolution, setpoint value) Assigned motor power at 460/480 V, 60 Hz, 3-phase 1142 (Frequency resolution, setpoint value)	Rated frequency - max	66 Hz
Rated operational power at 380/400 V, 50 Hz, 3-phase Image: Comparison of the time of time of time of the time of time of time of time of the time of the time of time o	Rated frequency - min	45 Hz
Rated operational voltage 480 V AC, 3-phase Resolution 0.1 Hz (Frequency resolution, setpoint value) Starting current - max 0.1 Hz (Frequency resolution, setpoint value) Supply frequency 200 %, IH, max. starting current (High Overload), For 2 seconds every 20 seconds ever	Rated operational current (le)	temperature of +40 °C)
Resolution Image: Constraint of the section of the		
Starting current - max 200 %, IH, max. starting current (High Overload), For 2 seconds every 20 seconds Power section Supply frequency 50/60 Hz Switching frequency 50/60 Hz Assigned motor power at 460/480 V, 60 Hz, 3-phase 200 %, IH, max. starting current (High Overload), For 2 seconds every 20 seconds Power section	Kated operational voltage	
Supply frequency Source Switching frequency Switching frequency Assigned motor power at 460/480 V, 60 Hz, 3-phase Switching	Resolution	0.1 Hz (Frequency resolution, setpoint value)
Switching frequency 8 kHz, 4 - 32 kHz adjustable, fPWM, Power section, Main circuit Assigned motor power at 460/480 V, 60 Hz, 3-phase 8 kHz, 4 - 32 kHz adjustable, fPWM, Power section, Main circuit	Starting current - max	
Assigned motor power at 460/480 V, 60 Hz, 3-phase 3 HP	Supply frequency	50/60 Hz
	Switching frequency	8 kHz, 4 - 32 kHz adjustable, fPWM, Power section, Main circuit
Braking current ≤ 0.6 A (max. 6 A for 120 ms), Actuator for external motor brake	Assigned motor power at 460/480 V, 60 Hz, 3-phase	3 HP
	Braking current	≤ 0.6 A (max. 6 A for 120 ms), Actuator for external motor brake

Braking torque	Adjustable to 100 % (I/Ie), DC - Main circuit \leq 30 % (I/Ie)
Braking voltage	230/277 V AC -15 % / +10 %, Actuator for external motor brake
Rated conditional short-circuit current (Iq)	10 kA
Short-circuit protection (external output circuits)	Type 1 coordination via the power bus' feeder unit, Main circuit
Rated control voltage (Uc)	230/277 V AC (external brake 50/60 Hz)
	24 V DC (-15 %/+20 %, external via AS-Interface® plug)
Communication interface	AS-Interface
Connection	Plug type: HAN Q5
Interfaces	Max. total power consumption from AS-Interface® power supply unit (30 V): 190 mA
	Specification: S-7.4 (AS-Interface®) Number of slave addresses: 31 (AS-Interface®)
Cable length	C3 ≤ 25 m, maximum motor cable length
	C1 ≤ 1 m, maximum motor cable length C2 ≤ 5 m, maximum motor cable length
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.
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.
10.9.2 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 8.0

Low-voltage industrial components (EG000017) / Frequency converter =< 1 kV (EC001857)

Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter = < 1 kV (ecl@ss10.0.1-27-02-31-01 [AKE177014])				
Mains voltage	V		380 - 480	
Mains frequency			50/60 Hz	
Number of phases input			3	
Number of phases output			3	
Max. output frequency	Hz	z	500	
Max. output voltage	V		500	
Nominal output current I2N	A		5.6	
Max. output at quadratic load at rated output voltage	kV	N	2.2	
Max. output at linear load at rated output voltage	kV	N	2.2	
Relative symmetric net frequency tolerance	%		10	

Relative symmetric net voltage tolerance	%	10
Number of analogue outputs		0
Number of analogue inputs		0
Number of digital outputs		0
Number of digital inputs		4
With control element		Yes
Application in industrial area permitted		Yes
Application in domestic- and commercial area permitted		Yes
Supporting protocol for TCP/IP		No
Supporting protocol for PROFIBUS		No
Supporting protocol for CAN		No
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		Yes
Supporting protocol for KNX		No
Supporting protocol for Modbus		No
Supporting protocol for Data-Highway		No
Supporting protocol for DeviceNet		No
Supporting protocol for SUCONET		No
Supporting protocol for LON		No
Supporting protocol for PROFINET IO		No
Supporting protocol for PROFINET CBA		No
Supporting protocol for SERCOS		No
Supporting protocol for Foundation Fieldbus		No
Supporting protocol for EtherNet/IP		No
Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for DeviceNet Safety		No
Supporting protocol for INTERBUS-Safety		No
Supporting protocol for PROFIsafe		No
Supporting protocol for SafetyBUS p		No
Supporting protocol for BACnet		No
Supporting protocol for other bus systems		No
Number of HW-interfaces industrial Ethernet		0
Number of interfaces PROFINET		0
Number of HW-interfaces RS-232		0
Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-485		1
Number of HW-interfaces serial TTY		0
Number of HW-interfaces USB		0
Number of HW-interfaces parallel		0
Number of HW-interfaces parallel		1
With optical interface		No
With Optical Interface With PC connection		Yes
		No
Integrated breaking resistance		
4-quadrant operation possible		No
Type of converter		U converter
Degree of protection (IP)		IP65
Degree of protection (NEMA)		12
Height	mm	270
Width	mm	220
Depth	mm	157