SIEMENS

Data sheet 3RM1207-3AA04



Reversing starter, 3RM1, 500 V, 0.55 - 3 kW, 1.6 - 7 A, 24 V DC, screw/spring-type terminals

equipment variant according to IEC 60947-4-2 product function intrinsic device protection for power supply reverse polarity protection No suitability for operation device connector 3ZY12 Yes insulation voltage rated value overvoltage category III surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit civitation resistance 6g / 11 ms vibration resistance 7 i 6 Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum 1 1/s mechanical service life (operating cycles) typical operating frequency maximum efference code according to IEC 81346-2 Q Substance Prohibitance (Date) of direct start of direct start of reverse starting ves		
product designation design of the product with electronic overload protection yroduct type designation seneral technical data equipment variant according to IEC 60947-4-2 3 product function • Intrinsic device protection • for power supply reverse polarity protection • between main and auxiliary circuit • for late of late for protection shock resistance • for late, lat	product brand name	SIRIUS
design of the product product type designation 3RMI Sonoral toshincial data equipment variant according to IEC 60947-4-2 ground trunction intrinsic device protection of power supply reverse polarity protection No suitability for operation device connector 3ZY12 yes insulation voltage rated value overvoltage category III surge voltage resistance rated value obetween main and auxiliary circuit between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit obetween control and auxiliary circuit obetween control and auxiliary circuit obetween coaccording to IEC 61948-2 Operating frequency maximum amechanical service IIfe (operating cycles) typical orderence code according to IEC 81348-2 Q Substance Prohibitance (Date) orderence code according to IEC 60947-1 orderence code according to IEC 60947-1 conducted interference according to IEC 6000-4-4 of due to conductor-conductor surge according to IEC 61000-4-5 of due to high-frequency radiation according to IEC 61000-4-3 of ledct-based interference according to IEC 61000-4-3 of ledct-based interfe	product category	Motor starter
product type designation Seneral technical data equipment variant according to IEC 60947-4-2 product function Intrinsic device protection Int	product designation	Reversing starter
equipment variant according to IEC 60947-4-2 product function	design of the product	with electronic overload protection
equipment variant according to IEC 60947-4-2 product function intrinsic device protection of power supply reverse polarity protection No suitability for operation device connector 32Y12 Insulation voltage rated value overvoltage category Ill surge voltage resistance rated value obtween main and auxiliary circuit obtween main and auxiliary circuit obtween control and auxiliary circuit obtween control and auxiliary circuit obtained in service life (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) officet start oververse starting reverse starting reduct function officet start oververse starting product function short circuit protection odue to burst according to IEC 60947-1 odue to conductor-conductor surge according to IEC 61000-4-5 odue to conductor-conductor surge according to IEC 61000-4-5 odue to conductor-conductor surge according to IEC 61000-4-3 officet clasard odue to high-frequency radiation according to IEC 61000-4-3 odue to conductor-conductor surge according to IEC 61000-4-3 officet clasard odue to high-frequency radiation according to IEC 61000-4-3 odue to conductor-conductor surge according to IEC 61000-4-3 officet clasard officet surge according to IEC 61000-4-3 odue to conductor-conductor surge according to IEC 61000-4-2 odue to conductor-conductor surge according to IEC 61000-4-2 odue to c	product type designation	3RM1
product function intrinsic device protection intrinsic device protection for power supply reverse polarity protection suitability for operation device connector 3ZY12 Yes insulation voltage rated value 500 V overvoltage category III surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation between main and auxiliary circuit between control and auxiliary circuit between main and auxiliary circuit and auxiliary circui	General technical data	
intrinsic device protection for power supply reverse polarity protection No	equipment variant according to IEC 60947-4-2	3
of tor power supply reverse polarity protection suitability for operation device connector 3ZY12 Yes Insulation voltage rated value 500 V overvoltage category III surge voltage resistance rated value 6 kV maximum permissible voltage for protective separation • between main and auxiliary circuit 500 V shock resistance 6g / 11 ms vibration resistance 6g / 11 ms vibration resistance operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) roduct function • direct start • reverse starting product function short circuit protection • Cetromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A Conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-2 • due to high-frequency radiation according to IEC 61000-4-2 • At V contact discharge / 8 tV air discharge • Class S For the domestic, business and commercial environments	product function	Reversing starter
suitability for operation device connector 32Y12 Yes insulation voltage rated value overvoltage category Ill surge voltage resistance rated value maximum permissible voltage for protective separation • between main and auxiliary circuit • between control and suxiliary circuit • for Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum 11/s mechanical service life (operating cycles) typical operating frequency developed to IEC 81346-2 Q Substance Prohibitance (Date) odirect start • reverse starting Yes product function • direct start • reverse starting Yes Product function short circuit protection No Tectromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A Conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 flod-based interference according to IEC 61000-4-2 • due to finterference according to IEC 61000-4-2 conducted HF interference emissions according to Class B for the domestic, business and commercial environments	 intrinsic device protection 	Yes
insulation voltage rated value overvoltage category surge voltage resistance rated value obstitution province in a duxiliary circuit obstitution resistance obstitution resistance vibration resistance vibration resistance vibration resistance operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) odirect start oreverse starting product function offired compatibility EMC emitted interference of ute to burst according to IEC 60947-1 conducted interference of ute to conductor-conductor surge according to IEC 61000-4-5 offield-based interference according to IEC 61000-4-2 overvated value overvated val	 for power supply reverse polarity protection 	No
overvoltage category surge voltage resistance rated value maximum permissible voltage for protective separation • between main and auxiliary circuit • between control and auxiliary circuit • coperating frequency maximum • to evitation resistance • direct start • reverse starting • direct start • reverse starting • class A Class A Conducted interference according to IEC 60947-1 • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-2 • due to high-frequency radiation according to IEC 61000-4-2 • due to high-frequency according to IEC 61000-4-2 • due to thigh-frequency radiation according to IEC 61000-4-2 • due to thigh-frequency radiation according to IEC 61000-4-2 • due to thigh-frequency radiation according to IEC 61000-4-2 • due to figh-frequency radiation according to IEC 61000-4-2 • due to figh-frequency radiation according to IEC 61000-4-3 • due to figh-frequency radiation according to IEC 61000-4-3 • due to figh-frequency radiation according to IEC 61000-4-3 • due to figh-frequency radiation according to IEC 61000-4-3 • due to figh-frequency radiation according to IEC 61000-4-3 • due to figh-frequency radiation according to IEC 61000-4-3 • due to figh-frequency radiation according to IEC 61000-4-3 • due to figh-frequency radiation according to IEC 61000-4-3 • due to figh-frequency radiation according to IEC 61000-4-3 • due to fig	suitability for operation device connector 3ZY12	Yes
surge voltage resistance rated value maximum permissible voltage for protective separation • between main and auxiliary circuit 500 V • between control and auxiliary circuit 500 V 5	insulation voltage rated value	500 V
maximum permissible voltage for protective separation • between main and auxiliary circuit • between control and auxiliary circuit • coperating frequency maximum 1 1/s mechanical service life (operating cycles) typical operating frequency maximum 1 1/s mechanical service life (operating cycles) typical operating frequency code according to IEC 81346-2 Q Substance Prohibitance (Date) odirect start of everse starting product function odirect start of everse starting product function short circuit protection No	overvoltage category	III
between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit bork resistance in 6 Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) o3/01/2017 product function direct start reverse starting reverse st	surge voltage resistance rated value	6 kV
between control and auxiliary circuit check resistance 6g / 11 ms vibration resistance 1 6 Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum 1 1/s mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) og/01/2017 product function direct start reverse starting reverse starting product function short circuit protection No lectromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A conducted interference due to burst according to IEC 61000-4-4 due to conductor-carth surge according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-5 due to high-frequency radiation according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to ICC 61000-4-2 conducted HF interference emissions according to ICC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to ICC 61000-4-3 electrostatic discharge according to ICC 61000-4-2 conducted HF interference emissions according to ICC 61000-4-3 electrostatic discharge accordi	maximum permissible voltage for protective separation	
shock resistance 6g / 11 ms vibration resistance 1 6 Hz, 15 mm; 20 m/s², 500 Hz operating frequency maximum 1 1 l/s mechanical service life (operating cycles) typical 30 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 product function • direct start No • reverse starting Yes product function short circuit protection No locatromagnetic compatibility EMC emitted interference according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-carth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class B for the domestic, business and commercial environments	 between main and auxiliary circuit 	500 V
vibration resistance operating frequency maximum 1 1/s mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) offierd start oreverse starting product function edirect start reverse starting product function short circuit protection EMC emitted interference according to IEC 60947-1 conducted interference offield-based interference according to IEC 61000-4-3 offield-based interference according to IEC 61000-4-2 conducted HF interference according to IEC 61000-4-2 offield-based interference according to IEC 61000-4-2 conducted HF interference according to IEC 61000-4-2 offield-based interference according to IEC 61000-4-3 offield-based interference according to IEC 61000-4-2 offield-based interference according to IEC 61000-4-2 offield-based interference according to IEC 61000-4-2 offield-based interference according to IEC 61000-4-3 offield-based interference emissions according to IEC 61000-4-2 offield-based interference emissions according to IEC 61000-4-3 offield-based interference emissions according to IEC 61000-4-2 offield-based interference emissions according to IEC 61000-4-3 offield-based interference emission	between control and auxiliary circuit	250 V
operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) odirect start officet start o	shock resistance	6g / 11 ms
mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) product function	vibration resistance	1 6 Hz, 15 mm; 20 m/s², 500 Hz
reference code according to IEC 81346-2 Substance Prohibitance (Date) product function	operating frequency maximum	1 1/s
Substance Prohibitance (Date) product function • direct start • reverse starting product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 Class A Conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-2 • due to high-frequency radiation according to IEC 61000-4-2 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according t	mechanical service life (operating cycles) typical	30 000 000
product function	reference code according to IEC 81346-2	Q
 direct start reverse starting No EMC emitted interference according to IEC 60947-1 class A EMC immunity according to IEC 60947-1 Class A Conducted interference due to burst according to IEC 61000-4-4 due to conductor-earth surge according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-5 due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 deconducted HF interference emissions according to Class B for the domestic, business and commercial environments 	Substance Prohibitance (Date)	03/01/2017
reverse starting roduct function short circuit protection No Flectromagnetic compatibility EMC emitted interference according to IEC 60947-1 class A EMC immunity according to IEC 60947-1 class A conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class B for the domestic, business and commercial environments	product function	
product function short circuit protection No Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 Class A EMC immunity according to IEC 60947-1 Class A Conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class B for the domestic, business and commercial environments	direct start	No
Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 Class A Conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class A Class A 3 kV / 5 kHz 2 kV 1 kV 10 V 4 kV contact discharge / 8 kV air discharge Class B for the domestic, business and commercial environments	reverse starting	Yes
EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 Class A conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class B for the domestic, business and commercial environments	product function short circuit protection	No
EMC immunity according to IEC 60947-1 conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class A Class A 3 kV / 5 kHz 2 kV 1 kV 10 V 4 kV contact discharge / 8 kV air discharge Class B for the domestic, business and commercial environments	Electromagnetic compatibility	
conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class B for the domestic, business and commercial environments	EMC emitted interference according to IEC 60947-1	class A
 due to burst according to IEC 61000-4-4 due to conductor-earth surge according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-5 due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 due to high-frequency radiation according to IEC 61000-4-3 field-based interference according to IEC 61000-4-2 d kV contact discharge / 8 kV air discharge Class B for the domestic, business and commercial environments 	EMC immunity according to IEC 60947-1	Class A
• due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class B for the domestic, business and commercial environments	conducted interference	
 due to conductor-conductor surge according to IEC 61000-4-5 due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 d kV d V/m electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class B for the domestic, business and commercial environments 	 due to burst according to IEC 61000-4-4 	3 kV / 5 kHz
61000-4-5	• due to conductor-earth surge according to IEC 61000-4-5	2 kV
4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class B for the domestic, business and commercial environments		1 kV
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to Class B for the domestic, business and commercial environments		10 V
conducted HF interference emissions according to Class B for the domestic, business and commercial environments	field-based interference according to IEC 61000-4-3	10 V/m
	electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
		Class B for the domestic, business and commercial environments

field-bound HF interference emission according to CISPR11	Class B for the domestic, business and commercial environments
Safety related data	Class B for the definedate, business and commercial environments
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe
Main circuit	inigor care
number of poles for main current circuit	3
design of the switching contact	Hybrid
design of the switching contact as NO contact for signaling function	OUT, electronic, 24 V DC, 15 mA
adjustable current response value current of the current- dependent overload release	1.6 7 A
minimum load [%]	20 %; from set rated current
type of the motor protection	solid-state
operating voltage rated value	48 500 V
relative symmetrical tolerance of the operating voltage	10 %
operating frequency 1 rated value	50 Hz
operating frequency 2 rated value	60 Hz
relative symmetrical tolerance of the operating frequency	10 %
operational current	
at AC at 400 V rated value	7 A
at AC-3 at 400 V rated value	7 A
at AC-53a at 400 V at ambient temperature 40 °C rated value	7 A
ampacity when starting maximum	56 A
operating power for 3-phase motors at 400 V at 50 Hz	0.55 3 kW
derating temperature	40 °C
Inputs/ Outputs	
input voltage at digital input	
at DC rated value	24 V
with signal <0> at DC	0 5 V
• for signal <1> at DC	15 30
input current at digital input	
• for signal <1> at DC	11 mA
• with signal <0> at DC	1 mA
number of CO contacts for auxiliary contacts	1
operational current of auxiliary contacts at AC-15 at 230 V	3 A
maximum	
operational current of auxiliary contacts at DC-13 at 24 V maximum	1 A
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	19.2 30 V
relative negative tolerance of the control supply voltage at DC	20 %
relative positive tolerance of the control supply voltage at DC	25 %
control supply voltage 1 at DC rated value	24 V
operating range factor control supply voltage rated value at DC	
initial value	0.8
full-scale value	1.25
control current at DC	
 in standby mode of operation 	25 mA
during operation	70 mA
inrush current peak	
• at DC at 24 V	300 mA
at DC at 24 V at switching on of motor	140 mA
duration of inrush current peak	
• at DC at 24 V	80 ms
at DC at 24 V at switching on of motor	80 ms
power loss [W] in auxiliary and control circuit	
• in switching state OFF	2011
— with bypass circuit	0.6 W

a in quitabing state ON	
in switching state ON with hypogo circuit.	1.69 W
— with bypass circuit	1.68 W
Response times	00 00 00
ON-delay time	60 90 ms 60 90 ms
OFF-delay time Power Electronics	50 III5
operational current	
at 40 °C rated value	7 A
at 40 C rated value at 50 °C rated value	6.1 A
at 55 °C rated value	5.2 A
at 60 °C rated value	4.6 A
Installation/ mounting/ dimensions	
mounting position	vertical, horizontal, standing (observe derating)
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	100 mm
width	23 mm
depth	142 mm
required spacing	
 with side-by-side mounting 	
— forwards	0 mm
— backwards	0 mm
— upwards	50 mm
— downwards	50 mm
— at the side	0 mm
• for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	50 mm
— at the side	4 mm
— downwards	50 mm
Ambient conditions	1000 5 1 1
installation altitude at height above sea level maximum	4 000 m; For derating see manual
ambient temperature	
ambient temperature • during operation	-25 +60 °C
ambient temperature • during operation • during storage	-25 +60 °C -40 +70 °C
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 %
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 %
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No Screw-type terminals for main circuit, spring-loaded terminals (push-in) for
ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFISafe protocol product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No Screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit screw-type terminals spring-loaded terminals (push-in)
ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFISafe protocol product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No Screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit screw-type terminals
ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFIsafe protocol product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum type of connectable conductor cross-sections for main contacts	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No Screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit screw-type terminals spring-loaded terminals (push-in) 100 m
ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFISafe protocol product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum type of connectable conductor cross-sections for main contacts • solid	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No To screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit screw-type terminals spring-loaded terminals (push-in) 100 m 1x (0,5 4 mm²), 2x (0,5 2,5 mm²)
ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFIsafe protocol product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No Screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit screw-type terminals spring-loaded terminals (push-in) 100 m
ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFISafe protocol product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing connectable conductor cross-section for main contacts	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No No 1 x (0,5 4 mm²), 2x (0,5 2,5 mm²) 1x (0,5 4 mm²), 2x (0,5 1,5 mm²)
ambient temperature	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No No 1
ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFISafe protocol product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No No 1
ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFISafe protocol product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No No 10 4 mm²), 2x (0,5 2,5 mm²) 1x (0,5 4 mm²), 2x (0,5 1,5 mm²) 0.5 4 mm² 0.5 4 mm²
ambient temperature • during operation • during storage • during transport environmental category during operation according to IEC 60721 relative humidity during operation air pressure according to SN 31205 Communication/ Protocol protocol is supported • PROFINET IO protocol • PROFISafe protocol product function bus communication protocol is supported AS-Interface protocol Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit wire length for motor unshielded maximum type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing	-25 +60 °C -40 +70 °C -40 +70 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 10 95 % 900 1 060 hPa No No No No No 1

0.5 1.5 mm²	
1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)	
1x (0,5 1,0 mm²), 2x (0,5 1,0 mm²)	
1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)	
1x (20 16), 2x (20 16)	
20 12	
20 16	
0.25 hp	
0.5 hp	
1 hp	
1.5 hp	
3 hp	
480 V	
6.1 A	
	EMC
	1x (0,5 1,0 mm²), 2x (0,5 1,0 mm²) 1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²) 1x (20 16), 2x (20 16) 20 12 20 16 0.25 hp 0.5 hp 1 hp 1.5 hp 3 hp 480 V



Confirmation









Declaration of Conformity

other





Confirmation

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RM1207-3AA04

Cax online generator

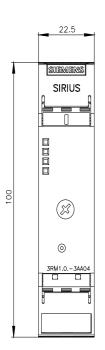
t.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RM1207-3AA04

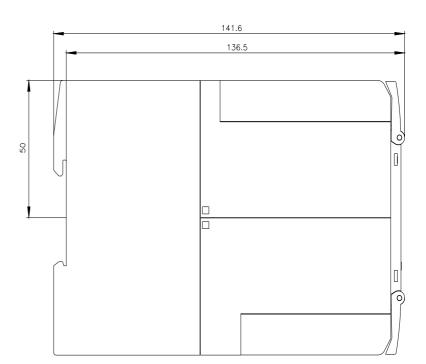
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

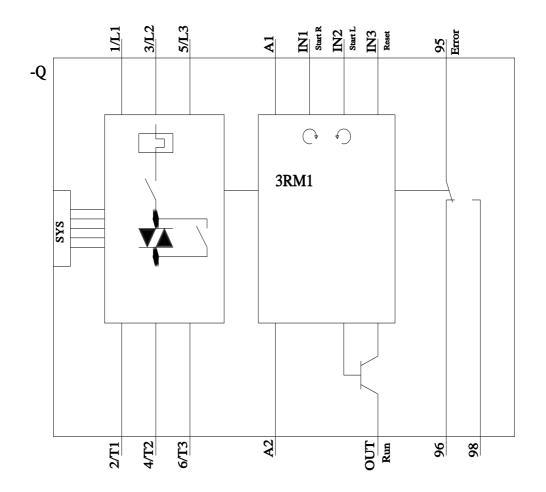
https://support.industry.siemens.com/cs/ww/en/ps/3RM1207-3AA04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

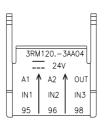
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RM1207-3AA04&lang=en

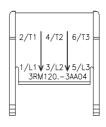












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