SIEMENS

Data sheet 3RM1102-3AA04



fail-safe direct-on-line starter, 3RM1, 500 V, 0.09 - 0.75 kW, 0.4 - 2 A, 24 V DC, screw/spring-loaded terminals (push-in)

product brand name	SIRIUS
product category	Motor starter
product designation	Fail-safe direct starter
design of the product	With electronic overload protection and safety-related disconnection
product type designation	3RM1
General technical data	
equipment variant according to IEC 60947-4-2	3
product function	fail-safe direct starter
 intrinsic device protection 	Yes
 for power supply reverse polarity protection 	Yes
suitability for operation device connector 3ZY12	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state per pole 	0.1 W
without load current share typical	1.37 W
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
 between control and auxiliary circuit 	250 V
shock resistance	6g / 11 ms
operating frequency maximum	1 1/s
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	03/01/2017
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
product function	
direct start	Yes
reverse starting	No
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 	3 kV / 5 kHz
 due to conductor-earth surge according to IEC 61000-4-5 	4 kV signal lines 2 kV
 due to conductor-conductor surge according to IEC 61000-4-5 	2 kV
 due to high-frequency radiation according to IEC 61000- 4-6 	10 V

field based interference according to IEC 64000 4.2	10 V/m
field-based interference according to IEC 61000-4-3	
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11	6 kV contact discharge / 8 kV air discharge Class B for the domestic, business and commercial environments
	Class B for the domestic, business and commercial environments
field-bound HF interference emission according to CISPR11 Safety related data	Class B for the domestic, business and commercial environments
diagnostics test interval by internal test function maximum	600 s
safe state	
function test interval maximum	Load circuit open
	1a
stop category according to EN 60204-1	0 4 400 FIT
failure rate [FIT] at rate of recognizable hazardous failures (λdd)	1 400 FIT
failure rate [FIT] at rate of non-recognizable hazardous failures (λdu)	10 F11
B10d value	2 500 000
average diagnostic coverage level (DCavg)	99 %
MTTFd	75 a
SIL Claim Limit (subsystem) according to EN 62061	SILCL 3
performance level (PL) according to EN ISO 13849-1	e
category according to EN ISO 13849-1	4
safety device type according to IEC 61508-2	Type B
Safe failure fraction (SFF)	99.4 %
	1
hardware fault tolerance according to IEC 61508	20 a
T1 value for proof test interval or service life according to IEC 61508	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529 hardware fault tolerance according to IEC 61508 relating to	finger-safe 0
ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX	0.0005
PFHD with high demand rate according to EN 62061 relating to ATEX	5E-8 1/h
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX	SIL2
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX	3 a
Main circuit	
number of poles for main current circuit	3
design of the switching contact	Hybrid
adjustable current response value current of the current- dependent overload release	0.4 2 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	2 A
• at AC-3 at 400 V rated value	2 A
at AC-5 at 400 V rated value at AC-53a at 400 V at ambient temperature 40 °C rated value	2 A
ampacity when starting maximum	16 A
operating power for 3-phase motors at 400 V at 50 Hz	0.09 0.75 kW
Inputs/ Outputs	
<u> </u>	
input voltage at digital input	24 V
at DC rated value with signal <0> at DC	24 V
• with signal <0> at DC	05 V
= TOT CIGODOL < 1 > OT L W	15 30
• for signal <1> at DC	
input current at digital input	
	8 mA 1 mA

premiental current of auxiliary contacts at AC-15 at 230 V peperational current of auxiliary contacts at DC-13 at 24 V 1A perational current of auxiliary contacts at DC-13 at 24 V 1A perational current of auxiliary contacts at DC-13 at 24 V 1A perational current of auxiliary contacts at DC-13 at 24 V 1A perational current of auxiliary contacts at DC-13 at 24 V 1A perational current of auxiliary contacts at DC-13 at 24 V 192 of Votage of the control supply votage at 19.2 at 30 V 20 % 20 % 20 % 20 % 20 % 20 % 20 % 2	number of CO contacts for auxiliary contacts	1
maximum	·	
Table		
type of voltage of the control supply voltage DC control supply voltage at DC related value 19 2 30 V relative regardive tolerance of the control supply voltage at DC DC 25 % control supply voltage 1 at DC rated value 24 V control supply voltage 1 at DC rated value 24 V peratting range factor control supply voltage rated value at DC 08 • full scale value 1,25 control current at DC 1,25 • full scale value 2,28 A; values at 25 TC control current at DC 37 FMA • full scale value 1,30 FMA • full scale value 2,28 A; values at 25 TC control current at DC 30 FMA • full scale value 1,30 FMA • full scale value 1,30 FMA • at DC at 24 V 300 FMA • at DC at 24 V 80 FMA • at DC at 24 V at switching on of motor 20 FMA • at DC at 24 V at switching on of motor 20 FMA • at DC at 24 V at switching on of motor 20 FMA • at DC at 24 V at switching on of motor 20 FMA • at DC at 24 V at switching on of motor		1 A
19.2 30 V 20 N	Control circuit/ Control	
Pelatry positive tolerance of the control supply voltage at DC	type of voltage of the control supply voltage	DC
DC	control supply voltage at DC rated value	19.2 30 V
DC Control supply voltage 1 at DC rated value 24 V		20 %
Operating range factor control supply voltage rated value at DC		25 %
DC	control supply voltage 1 at DC rated value	24 V
• full-scale value 1.25 Control current at DC • in standarby mode of operation 57 mA • during operation 57 mA Intrush current peak • at 24 V • at DC at 24 V 1 switching on of motor 100 mA • at DC at 24 V 1 switching on of motor 20 mS • at DC at 24 V 1 switching on of motor 20 mS • at DC at 24 V 1 switching on of motor 20 mS • at DC at 24 V 1 switching on of motor 20 mS • at DC at 24 V 1 switching on of motor 20 mS • at DC at 24 V 1 switching and control circuit 1 in switching state OFF — with bypass circuit 2 1.37 W Response times ON-dolay time 55 76 mS OFF-dolay time 55 76 mS OFF-dolay time 2 A • at 60 °C related value 3 A • at 60 °C related value 4 A • at 60 °C related value 5 A • at 60 °C related value 6 A • at 60 °C related value 6 A • at 60 °C related value 7 A • at 6		
Control current at DC	• initial value	0.8
• in standby mode of operation 57 mA of uring operation 57 mA of uring operation 57 mA of uring operation 57 mA of 24 V • at 24 V • at 24 V • at DC at 24 V • at DC at 24 V • at DC at 24 V • at DC	full-scale value	1.25
• during operation 57 mA	control current at DC	
Inrush current peak e. at 24 V 0.28 A; values at 25 °C 300 mA 4 at DC at 24 V 300 mA 4 at DC at 24 V 85 ms 4 at DC at 24 V 85 ms 4 at DC at 24 V 80 ms 80	 in standby mode of operation 	13 mA
	during operation	57 mA
	inrush current peak	
	• at 24 V	0.28 A; values at 25 °C
duration of inrush current peak e at 24 V 85 ms 80 ms e at 10 C at 24 V 80 ms e at 10 C at 24 V at switching on of motor 20 ms power loss [W] in auxiliary and control circuit e in switching state OR	• at DC at 24 V	300 mA
	• at DC at 24 V at switching on of motor	130 mA
e at DC at 24 V e at DC at 24 V at switching on of motor power loss [W] in auxiliary and control circuit e in switching state OFF — with bypass circuit e in switching state ON — with bypass circuit e in switching state ON — with bypass circuit e in switching state ON — with bypass circuit e in switching state ON — with bypass circuit e in switching state ON — with bypass circuit e in switching state ON — with bypass circuit e in switching state ON — with bypass circuit e in switching state ON ON-delay time ON-delay time ON-delay time OFF-delay time OFF-delay time 30 43 ms Power Electronics operational current e at 40 °C rated value e 2 A e at 50 °C rated value e 2 A e at 55 °C rated value e 2 A e at 55 °C rated value e 2 A e at 50 °C rated value e 2 A e at 60 °C rated value e 2 A e at 60 °C rated value e 2 A e at 60 °C rated value e 2 A e at 60 °C rated value e 2 A e at 60 °C rated value e 3 C rated value e 4 C °C rated value e 5 C rated value e 5 C rated value e 6 C rated value e 6 C rated value e 7 C rated value e 9 C rated value e 10 mm width 22.5 mm depth depth e 141.6 mm required spacing e with side-by-side mounting — forwards — backwards — 0 mm — backwards — 0 mm — at the side e for grounded parts — forwards — 50 mm — at the side e for grounded parts — forwards — backwards — upwards — backwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — o	duration of inrush current peak	
e at DC at 24 V at switching on of motor power loss [W] in auxillary and control circuit • in switching state OFF — with bypass circuit • in switching state ON — with bypass circuit • in switching state ON — with bypass circuit • in switching state ON — with bypass circuit 1.37 W Response times ON-delay time OF-delay time OF-delay time operational current • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rate	• at 24 V	85 ms
Power loss [W] in auxillary and control circuit • in switching state OFF	• at DC at 24 V	80 ms
• in switching state OFF — with bypass circuit 1.37 W Response times ON-delay time 65 76 ms OPF-delay time 30 43 ms Power Electronics operational current • at 40 °C rated value 2 A • at 50 °C rated value 2 A • at 55 °C rated value 2 A • at 60 °C rated value 2 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 22.5 mm depth 141.6 mm required spacing • with side-by-side mounting — forwards 0 mm — downwards 50 mm — downwards 50 mm — at the side 0 mm — for grounded parts — for grounded parts — forwards 0 mm — for grounded parts — forwards 0 mm — for grounded parts — forwards 0 mm — forwards 0 mm — downwards 50 mm — heackwards 0 mm — for grounded parts — forwards 0 mm — forwards 0 mm — forwards 0 mm — downwards 50 mm — at the side 0 mm — backwards 0 mm — backwards 0 mm — forwards 0 mm — forwards 0 mm — downwards 50 mm — at the side 0 mm — backwards 0 mm — backwards 0 mm — downwards 0 mm — forwards 0 mm — downwards 0 mm — at the side 0 mm — backwards 0 mm — downwards 0 mm — backwards 0 mm — backwards 0 mm — downwards 0 mm — downwa	 at DC at 24 V at switching on of motor 	20 ms
- with bypass circuit	power loss [W] in auxiliary and control circuit	
• in switching state ON — with bypass circuit 1.37 W Response times ON-delay time 6576 ms OFF-delay time 3043 ms Power Electronics operational current • at 40 °C rated value 2 A • at 50 °C rated value 2 A • at 60 °C rated value 2 A • at 60 °C rated value 2 A • at 60 °C rated value 2 A • at 60 °C rated value 2 A • at 60 °C rated value 2 A • at 60 °C rated value 2 A • at 60 °C rated value 3 A • at 60 °C rated value 3 A • at 60 °C rated value 4 A • at 60 °C rated value 5 A • at 60 °C rated value 5 A • at 60 °C rated value 5 A • at 60 °C rated value 6 A • at 60 °C rated value 7 A • at 60 °C rated value 8 A • at 60 °C rated value 8 A • at 60 °C rated value 9 A • at 7 A • at 8 A • at 7 A • at 8 A • at 10 0 mm • at 10 0 mm • for grounded parts • for grounded parts • for grounded parts • for grounded parts • for wards • backwards • D mm • at 11 e side • downwards • at 12 side • downwards •	in switching state OFF	
Notes Note	— with bypass circuit	0.35 W
Note Note Note	in switching state ON	
ON-delay time 65 76 ms OFF-delay time 30 43 ms Power Electronics operational current	— with bypass circuit	1.37 W
OFF-delay time 30 43 ms Power Electronics operational current 2 A • at 40 °C rated value 2 A • at 55 °C rated value 2 A • at 60 °C rated value 2 A • at 60 °C rated value 2 A mounting position vertical, horizontal, standing (observe derating) fastening method screw and snap-on mounting onto 35 mm DIN rail height 100 mm width 22.5 mm depth 141.6 mm required spacing • with side-by-side mounting 0 mm - forwards 0 mm - backwards 0 mm - downwards 50 mm - downwards 50 mm • for grounded parts 0 mm • forwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - upwards 50 mm - at the side 3.5 mm - downwards 50 mm	Response times	
Power Electronics	ON-delay time	65 76 ms
operational current • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value	OFF-delay time	30 43 ms
at 40 °C rated value at 50 °C rated value 2 A at 50 °C rated value 2 A at 60 °C rated value 2 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 22.5 mm depth 141.6 mm required spacing with side-by-side mounting — forwards — backwards — upwards — downwards — at the side for grounded parts — forwards — backwards — backwards — backwards — o mm for grounded parts — forwards — backwards — backwards — backwards — o mm for grounded parts — forwards — backwards — backwards — backwards — backwards — o mm — the side — backwards — o mm — upwards — at the side — ownwards — omm — at the side — at the side — ownwards — omm — ownwards — omm — omm — of mm — of	Power Electronics	
at 50 °C rated value at 55 °C rated value at 60 °C rated value 2 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 22.5 mm depth 141.6 mm required spacing with side-by-side mounting — forwards — backwards — upwards — downwards — at the side for grounded parts — forwards — backwards — forwards — o mm for grounded parts — forwards — the side — backwards — upwards — at the side — o mm for grounded parts — forwards — backwards — upwards — forwards — the side — o mm — backwards — o mm — the side — o mm — backwards — o mm — at the side — backwards — o mm — at the side — downwards 50 mm — at the side — downwards 50 mm	operational current	
at 55 °C rated value at 60 °C rated value 2 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 22.5 mm depth 141.6 mm required spacing with side-by-side mounting — forwards — backwards — upwards — downwards — at the side for grounded parts — forwards — backwards — o mm for grounded parts — forwards — o mm for grounded parts — backwards — upwards — backwards — o mm for grounded parts — towards — backwards — o mm — backwards — upwards — backwards — o mm — upwards — o mm — o	 at 40 °C rated value 	2 A
● at 60 °C rated value 2 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 22.5 mm depth 141.6 mm required spacing • with side-by-side mounting 0 mm - forwards 0 mm - backwards 0 mm - upwards 50 mm - at the side 0 mm • for grounded parts 0 mm - backwards 0 mm - backwards 0 mm - upwards 50 mm - at the side 3.5 mm - downwards 50 mm	• at 50 °C rated value	2 A
mounting position vertical, horizontal, standing (observe derating) fastening method screw and snap-on mounting onto 35 mm DIN rail height 100 mm width 22.5 mm depth 141.6 mm required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side — forgrounded parts — forwards — backwards — upwards — to mm • for grounded parts — forwards — backwards — to mm • for grounded parts — to mm • for grounded parts — backwards — at the side — backwards — at the side — downwards — backwards — backwards — backwards — backwards — to mm • for grounded parts — backwards — backwards — backwards — backwards — to mm • for grounded parts — backwards — to mm • for grounded parts — backwards — to mm • for grounded parts — backwards — backwa	• at 55 °C rated value	2 A
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height 100 mm width 22.5 mm depth 141.6 mm required spacing with side-by-side mounting - forwards - backwards - upwards - downwards - at the side backwards - for grounded parts - forwards - backwards - upwards - at the side o mm for grounded parts - torwards - backwards - to mm o mm of or grounded parts - forwards - backwards - backwards - to mm of mm of at the side o mm o mm o mm o for grounded parts - to mm - to mm o	• at 60 °C rated value	2 A
fastening methodscrew and snap-on mounting onto 35 mm DIN railheight100 mmwidth22.5 mmdepth141.6 mmrequired spacingForwards• with side-by-side mounting0 mm— forwards0 mm— backwards0 mm— upwards50 mm— downwards50 mm— at the side0 mm• for grounded parts0 mm— forwards0 mm— backwards0 mm— backwards0 mm— upwards50 mm— at the side3.5 mm— at the side3.5 mm— downwards50 mm	Installation/ mounting/ dimensions	
height 100 mm width 22.5 mm depth 141.6 mm required spacing • with side-by-side mounting ● with side-by-side mounting 0 mm — forwards 0 mm — backwards 0 mm — downwards 50 mm — at the side 0 mm — backwards 0 mm — backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	mounting position	vertical, horizontal, standing (observe derating)
width 22.5 mm depth 141.6 mm required spacing 141.6 mm • with side-by-side mounting 0 mm — forwards 0 mm — backwards 0 mm — upwards 50 mm — at the side 0 mm • for grounded parts 0 mm — backwards 0 mm — backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	fastening method	screw and snap-on mounting onto 35 mm DIN rail
depth 141.6 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 0 mm — backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	height	100 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — backwards — o mm - backwards — upwards — the side — downwards — o mm — at the side — downwards — o mm — at the side — o mm — at the side — downwards — o mm — at the side — at the side — downwards — o mm	width	22.5 mm
 with side-by-side mounting forwards backwards mm upwards downwards at the side for grounded parts forwards forwards mm backwards mm backwards mm upwards at the side at the side at the side downwards 50 mm mm at the side downwards 50 mm 	d a rath	444.0
— forwards 0 mm — backwards 0 mm — upwards 50 mm — downwards 50 mm — at the side 0 mm • for grounded parts 0 mm — backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	deptn	141.6 mm
— backwards 0 mm — upwards 50 mm — downwards 50 mm — at the side 0 mm • for grounded parts 0 mm — forwards 0 mm — backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	•	141.6 mm
— upwards 50 mm — downwards 50 mm — at the side 0 mm • for grounded parts 0 mm — forwards 0 mm — backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	required spacing	141.6 mm
— downwards 50 mm — at the side 0 mm ● for grounded parts 0 mm — forwards 0 mm — backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	required spacing • with side-by-side mounting	
— at the side 0 mm ● for grounded parts 0 mm — forwards 0 mm — backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	required spacing • with side-by-side mounting — forwards	0 mm
● for grounded parts — forwards 0 mm — backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	required spacing • with side-by-side mounting — forwards — backwards	0 mm 0 mm
— forwards 0 mm — backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	required spacing • with side-by-side mounting — forwards — backwards — upwards	0 mm 0 mm 50 mm
— backwards 0 mm — upwards 50 mm — at the side 3.5 mm — downwards 50 mm	required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards	0 mm 0 mm 50 mm
— upwards 50 mm — at the side 3.5 mm — downwards 50 mm	required spacing with side-by-side mounting forwards backwards upwards downwards at the side	0 mm 0 mm 50 mm
- at the side 3.5 mm - downwards 50 mm	required spacing with side-by-side mounting forwards backwards upwards downwards at the side for grounded parts	0 mm 0 mm 50 mm 50 mm 0 mm
— downwards 50 mm	required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards	0 mm 0 mm 50 mm 0 mm 0 mm
	required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards	0 mm 0 mm 50 mm 0 mm 0 mm
Ambient conditions	required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — upwards	0 mm 0 mm 50 mm 0 mm 0 mm 0 mm
	required spacing with side-by-side mounting forwards backwards upwards downwards at the side for grounded parts forwards backwards upwards at the side at the side	0 mm 0 mm 50 mm 50 mm 0 mm 0 mm 0 mm 0 m

installation altitude at height above sea level maximum	4 000 m; For derating see manual
	4 000 III, For derating see mandar
ambient temperature	05
• during operation	-25 +60 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
environmental category during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
relative humidity during operation	10 95 %
air pressure according to SN 31205	900 1 060 hPa
Communication/ Protocol	
protocol is supported	
PROFINET IO protocol	No
PROFIsafe protocol	No
product function bus communication	No
protocol is supported AS-Interface protocol	No
Connections/ Terminals	
type of electrical connection	screw-type terminals for main circuit, spring-loaded terminals (push-in) for control circuit
for main current circuit	screw-type terminals
for auxiliary and control circuit	spring-loaded terminals (push-in)
wire length for motor unshielded maximum	100 m
type of connectable conductor cross-sections for main contacts	
• solid	1x (0,5 4 mm²), 2x (0,5 2,5 mm²)
finely stranded with core end processing	1x (0,5 4 mm²), 2x (0,5 1,5 mm²)
connectable conductor cross-section for main contacts	
solid or stranded	0.5 4 mm²
finely stranded with core end processing	0.5 4 mm²
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 1.5 mm²
finely stranded with core end processing	0.5 1 mm²
finely stranded with our end processing finely stranded without core end processing	0.5 1.5 mm ²
type of connectable conductor cross-sections	0.0 1.0 11111
• for auxiliary contacts	
	1v (0.5
— solid	1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)
— finely stranded with core end processing	1x (0,5 1,0 mm²), 2x (0,5 1,0 mm²)
— finely stranded without core end processing	1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)
for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section	1x (20 16), 2x (20 16)
• for main contacts	20 12
	20 12
• for auxiliary contacts	20 10
UL/CSA ratings	
yielded mechanical performance [hp]	
for single-phase AC motor ACON Vertad value.	0.405 h
— at 230 V rated value	0.125 hp
• for 3-phase AC motor	
— at 200/208 V rated value	0.333 hp
— at 220/230 V rated value	0.333 hp
 — at 460/480 V rated value 	0.75 hp
operational current at AC at 480 V according to UL 508	2 A

General Product Approval



CE EG-Konf.



Confirmation







EMV For use in hazardous locations other





Further information

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=3RM1102-3AA04

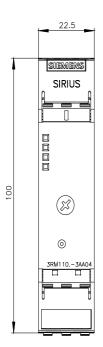
Cax online generator

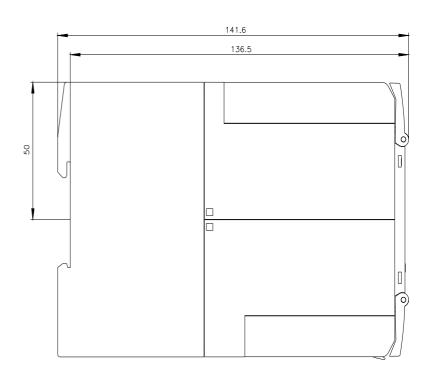
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RM1102-3AA04

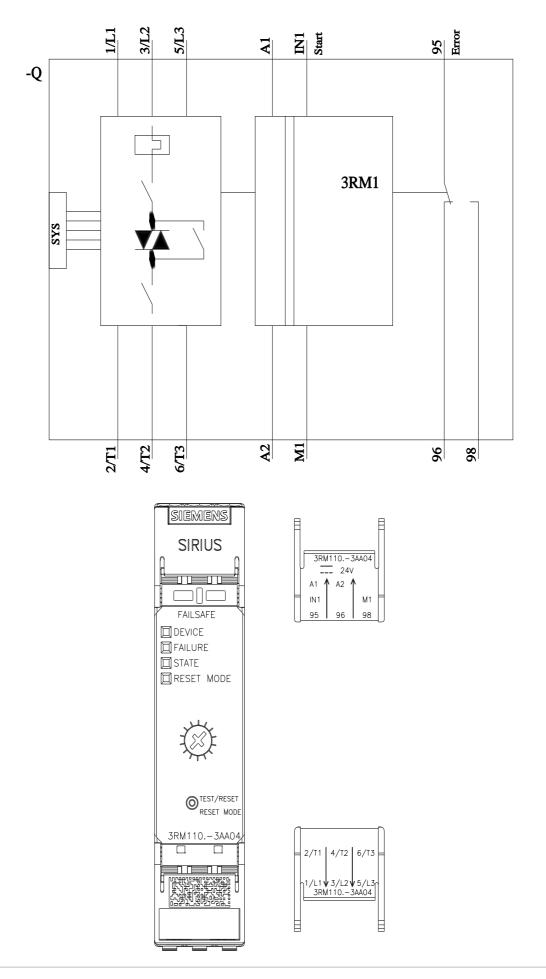
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RM1102-3AA04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RM1102-3AA04&lang=en







last modified: 8/15/2023 🖸