SIEMENS

Data sheet

3RM1101-1AA04



field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to

6 kV contact discharge / 8 kV air discharge

Class B for the domestic, business and commercial environments

CISPR11

field-bound HF interference emission according to	
CISPR11	

Class B for the domestic, business and commercial environments

Safety related data	
safety device type according to IEC 61508-2	Туре В
B10d value	2 500 000
Safety Integrity Level (SIL) according to IEC 61508	3
SIL Claim Limit (subsystem) according to EN 62061	SILCL 3
performance level (PL) according to EN ISO 13849-1	е
category according to EN ISO 13849-1	4
stop category according to EN 60204-1	0
Safe failure fraction (SFF)	99 %
average diagnostic coverage level (DCavg)	99 %
diagnostics test interval by internal test function maximum	600 s
function test interval maximum	1 y
failure rate [FIT]	,
 at rate of recognizable hazardous failures (λdd) 	1 400 FIT
 at rate of non-recognizable hazardous failures (λdu) 	16 FIT
PFHD with high demand rate according to EN 62061	0.0000002 1/h
PFDavg with low demand rate according to IEC 61508	0
MTTFd	75 у
hardware fault tolerance according to IEC 61508	1
safe state	Load circuit open
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe
hardware fault tolerance according to IEC 61508 relating to ATEX	0
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	0.0000005 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 у
T1 value for proof test interval or service life	3 у
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX	3 y 3
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact	3 Hybrid
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit	3
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%]	3 Hybrid 0.1 0.5 A 20 %; from set rated current
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX <u>Main circuit</u> number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX <u>Main circuit</u> number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX <u>Main circuit</u> number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX <u>Main circuit</u> number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value operating frequency 2 rated value	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX <u>Main circuit</u> number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value relative symmetrical tolerance of the operating relative symmetrical tolerance of the operating	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value relative symmetrical tolerance of the operating frequency 2 rated value	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value relative symmetrical tolerance of the operating frequency 2 rated value relative symmetrical tolerance of the operating frequency operational current	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 %
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value operating frequency 2 rated value relative symmetrical tolerance of the operating frequency operating current • at AC at 400 V rated value	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 %
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value operating frequency 2 rated value relative symmetrical tolerance of the operating frequency operational current • at AC at 400 V rated value • at AC-3 at 400 V rated value • at AC-53 at 400 V at ambient temperature 40 °C rated value ampacity when starting maximum	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 0.5 A 0.5 A
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value operating frequency 2 rated value relative symmetrical tolerance of the operating frequency operational current • at AC at 400 V rated value • at AC-3 at 400 V rated value • at AC-53 at 400 V at ambient temperature 40 °C rated value	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 0.5 A 0.5 A 0.5 A 0.5 A
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value operating frequency 2 rated value relative symmetrical tolerance of the operating frequency operational current • at AC at 400 V rated value • at AC-3 at 400 V rated value • at AC-53 at 400 V at ambient temperature 40 °C rated value ampacity when starting maximum	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 0.5 A 0.5 A 0.5 A 0.5 A 4 A
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value relative symmetrical tolerance of the operating frequency 2 rated value relative symmetrical tolerance of the operating frequency operational current • at AC at 400 V rated value • at AC-33 at 400 V rated value • at AC-53a at 400 V at ambient temperature 40 °C rated value ampacity when starting maximum operating power for 3-phase motors at 400 V at 50 Hz	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 0.5 A 0.5 A 0.5 A 0.5 A 4 A
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value operating frequency 2 rated value relative symmetrical tolerance of the operating frequency operating frequency 2 rated value at AC at 400 V rated value = at AC-3 at 400 V rated value = at AC-53 at 400 V rated value = at AC-53 at 400 V rated value = at AC-53 at 400 V at ambient temperature 40 °C rated value mpacity when starting maximum operating power for 3-phase motors at 400 V at 50 Hz Inputs/ Outputs input voltage at digital input = at DC rated value	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 2.5 A 0.5 A
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value operating frequency 2 rated value relative symmetrical tolerance of the operating frequency operational current • at AC at 400 V rated value • at AC-3 at 400 V rated value • at AC-53 a at 400 V rated value operating power for 3-phase motors at 400 V at 50 Hz Inputs/ Outputs input voltage at digital input • at DC rated value • with signal <0> at DC	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 24 V 0 5 V
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value operating frequency 2 rated value relative symmetrical tolerance of the operating frequency operational current • at AC at 400 V rated value • at AC-3 at 400 V rated value • at AC-53 at 400 V rated value • at AC-53 at 400 V rated value • at AC-53 at 400 V at ambient temperature 40 °C rated value ampacity when starting maximum operating power for 3-phase motors at 400 V at 50 Hz Inputs/ Outputs input voltage at digital input • at DC rated value • with signal <0> at DC • for signal <1> at DC	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 2.5 A 0.5 A
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release minimum load [%] type of the motor protection operating voltage rated value relative symmetrical tolerance of the operating voltage operating frequency 1 rated value operating frequency 2 rated value relative symmetrical tolerance of the operating frequency operational current • at AC at 400 V rated value • at AC-3 at 400 V rated value • at AC-53 a at 400 V rated value operating power for 3-phase motors at 400 V at 50 Hz Inputs/ Outputs input voltage at digital input • at DC rated value • with signal <0> at DC	3 Hybrid 0.1 0.5 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 24 V 0 5 V

 with signal <0> at DC 	1 mA
number of CO contacts for auxiliary contacts	1
operational current of auxiliary contacts at AC-15 at	3 A
230 V maximum	
operational current of auxiliary contacts at DC-13 at	1A
24 V maximum	1A
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	20 %
voltage at DC	
relative positive tolerance of the control supply	25 %
voltage at DC	
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
	1.25
control current at DC	
• in standby mode of operation	13 mA
 during operation 	57 mA
inrush current peak	
• at DC at 24 V	300 mA
 at DC at 24 V at switching on of motor 	130 mA
duration of inrush current peak	
• at DC at 24 V	80 ms
• at DC at 24 V at switching on of motor	20 ms
-	20 113
power loss [W] in auxiliary and control circuit	
in switching state OFF	
— with bypass circuit	0.35 W
 in switching state ON 	
 — with bypass circuit 	1.37 W
Response times	
	65 76 ms
ON-delay time	65 76 ms 30 43 ms
ON-delay time OFF-delay time	
ON-delay time OFF-delay time Power Electronics	
ON-delay time OFF-delay time Power Electronics operational current	30 43 ms
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value	30 43 ms 0.5 A
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value	0.5 A 0.5 A
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value	30 43 ms 0.5 A
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value	0.5 A 0.5 A
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value	30 43 ms 0.5 A 0.5 A 0.5 A
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating)
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width	30 43 ms 0.5 A 0.5 M 0.5 M 0.
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	30 43 ms 0.5 A 0.5 M 0.5 M 0.
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm 23 mm 142 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards	30 43 ms 0.5 A 0.5 M 0.5 M 0.
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm 23 mm 142 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm 23 mm 142 mm 0 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm 23 mm 142 mm 0 mm 0 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm 23 mm 142 mm 0 mm 0 mm 50 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 M 0.5 M 0.
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — at the side • for grounded parts	0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm 23 mm 142 mm 0 mm 50 mm 50 mm 0 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — at the side • for grounded parts — forwards	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm 23 mm 142 mm 0 mm 50 mm 50 mm 0 mm 0 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — backwards — backwards	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm 23 mm 142 mm 0 mm 0 mm 50 mm 0 mm 0 mm 0 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — upwards — upwards — upwards — upwards — upwards	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.7 A 0.7 A 0.7 A 0.7 A 0.7 A 0 mm 100 mm 23 mm 142 mm 0 mm 50 mm 0 mm 0 mm 50 mm 0 mm 0 mm 50 mm 0 mm 0 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.7 A 0.5 A 0.7 A 0.7 A 0.7 A 0.7 A 0 mm 23 mm 142 mm 0 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — upwards — upwards — upwards — upwards — upwards	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.7 A 0.7 A 0.7 A 0.7 A 0.7 A 0 mm 100 mm 23 mm 142 mm 0 mm 50 mm 0 mm 0 mm 0 mm 50 mm 0 mm 0 mm 0 mm 100 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.7 A 0.5 A 0.7 A 0.7 A 0.7 A 0.7 A 0 mm 23 mm 142 mm 0 mm
ON-delay time OFF-delay time Power Electronics operational current • at 40 °C rated value • at 55 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — downwards — upwards — upwards — downwards — at the side — downwards	30 43 ms 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.5 A 0.7 A 0.5 A 0.7 A 0.7 A 0.7 A 0.7 A 0 mm 23 mm 142 mm 0 mm
ON-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — at the side • for grounded parts — forwards — upwards — at the side — downwards	30 43 ms 0.5 A 0 mm
ON-delay time Power Electronics operational current • at 40 °C rated value • at 55 °C rated value • at 60 °C rated value • at 60 °C rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting - forwards - backwards - upwards - at the side • for grounded parts - forwards - backwards - upwards - at the side - forwards - backwards - at the side • for grounded parts - forwards - at the side - downwards - mountide - mountide - mountide - mountide - mountide	30 43 ms 0.5 A 0 mm

 during storage 			-40.	+70 °C		
 during transport 	t		-40 +70 °C			
	ry during operation acc	ording to IEC	3K6 (no ice formation, only occasional condensation), 3C3 (no salt			
60721			mist), 3S2 (sand must not get into the devices), 3M6			
relative humidity durin			10 95 % 900 1 060 hPa			
air pressure according	-		900	1 060 nPa		
Communication/ Proto			_			
protocol is supporte						
PROFINET IO			No			
PROFIsafe prot			No			
product function bus			No			
protocol is supported			No			
Connections/ Termina						
type of electrical cor	nnection		screv	w-type terminals for ma it	iin circuit, screw-type t	erminals for control
 for main current 	t circuit		screw-type terminals			
 for auxiliary and 	control circuit		screw-type terminals			
	r unshielded maximu	m	100			
-	conductor cross-sect					
 for main contact 	ts					
— solid			1x (C),5 4 mm²), 2x (0,5	. 2,5 mm²)	
 finely stran 	nded with core end proc	essing	1x (C),5 4 mm²), 2x (0,5	. 1,5 mm²)	
 at AWG cables 	for main contacts		1x (2	20 12), 2x (20 14)		
	tor cross-section for	main				
contacts	d		0 5	4 mm²		
 solid or stranded 		a		4 mm²		
	with core end processir ctor cross-section for a	-	0.5 .	4 11011		
contacts		auxiliary				
 solid or strande 	d		0.5 .	2.5 mm²		
 finely stranded v 	with core end processir	ng	0.5 .	2.5 mm²		
type of connectable conductor cross-sections						
 for auxiliary con 	itacts					
— solid			1x (0,5 2,5 mm²), 2x (1,0 1,5 mm²)			
— finely stran	nded with core end proc	essing	1x (C).5 2.5 mm²), 2x (0.5	1 mm²)	
 at AWG cables 	for auxiliary contacts		1x (2	20 14), 2x (18 16)		
	ded connectable cond	uctor cross				
	section		00 40			
 for main contact for auxiliary con 			20 12 20 14			
,	nacis		20 14			
UL/CSA ratings	O marte di unali una		400.1			
operating voltage at A			480	V		
Certificates/ approvals	S	_	_		_	
General Product Ap	proval					EMC
						-
<u>(</u>	Confirmation		<u>n</u>	ŝ	гпг	A
Q12	(m)			(P)	FHI	<u>(</u>)
CSA	ccc			UL		RCM
	Functional	_	_			
For use in hazard-	Safety/Safety of	Declaration o	f	Test Certificates	other	Railway
ous locations	Machinery	Conformity				
	Type Examination	~ ~ ~		Type Test Certific-	Confirmation	Special Test Certific-
(Ex/	<u>Certificate</u>			ates/Test Report		ate
ATEX		EG-Konf.				
Further information						

Further information

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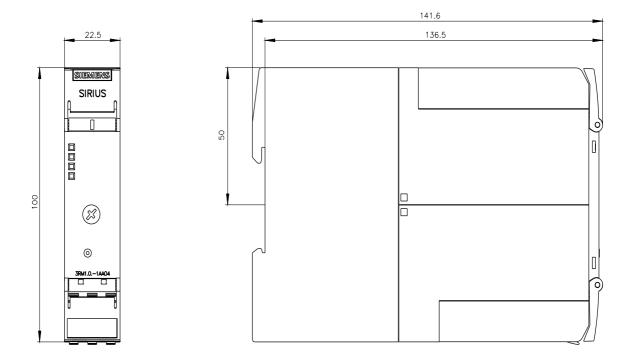
Cax online generator

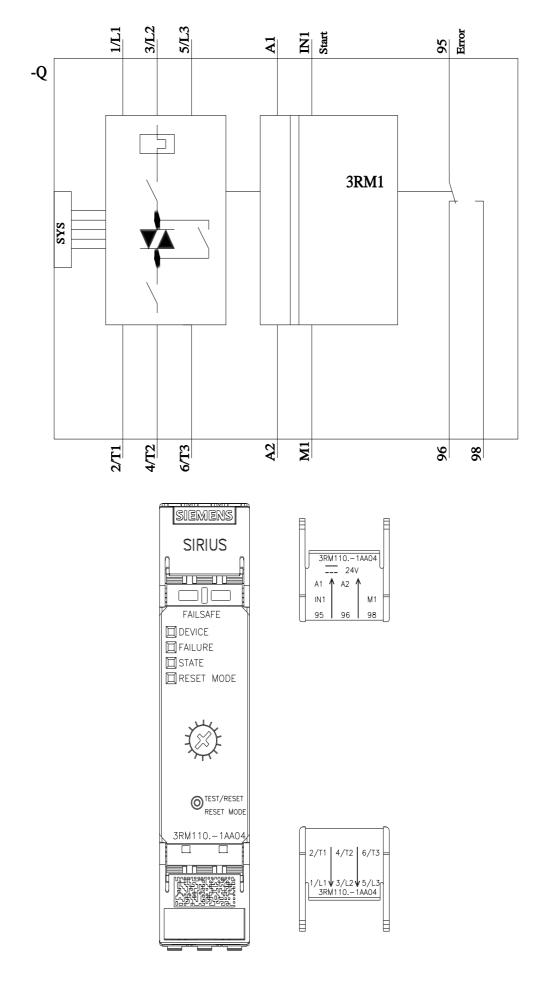
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RM1101-1AA04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RM1101-1AA04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RM1101-1AA04&lang=en





last modified:

11/21/2022 🖸