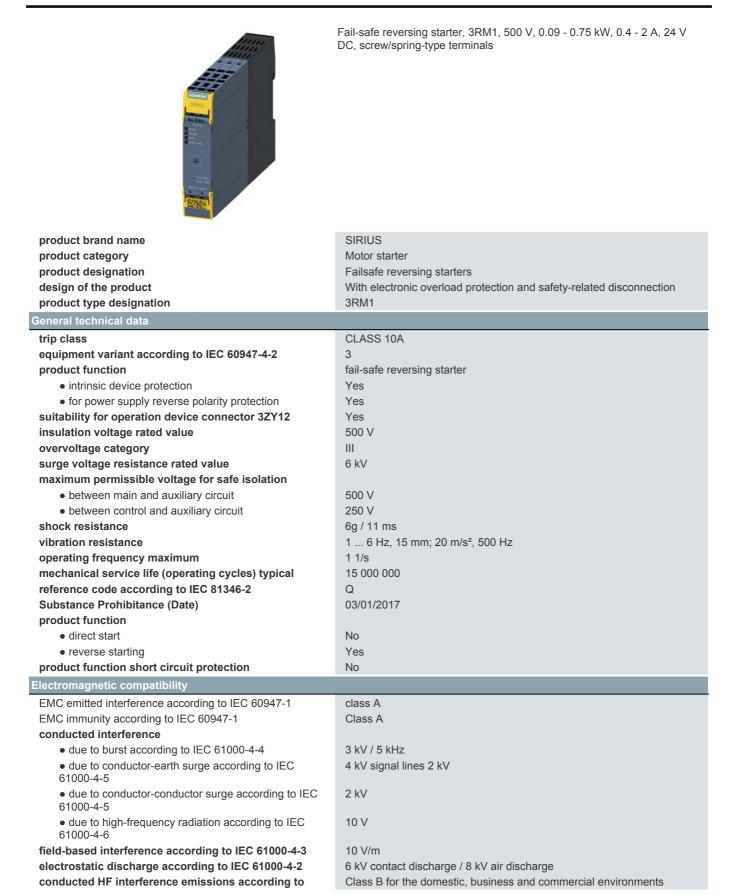
SIEMENS

Data sheet

3RM1302-3AA04



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	600 s
maximum	
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 y
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	0
relating to ATEX	
PFDavg with low demand rate according to IEC 61508 relating to ATEX	0.0005
PFHD with high demand rate according to EN 62061	0.0000005 1/h
relating to ATEX	SIL2
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX	SILZ
T1 value for proof test interval or service life	3 у
according to IEC 61508 relating to ATEX	3 у
according to IEC 61508 relating to ATEX Main circuit	
according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit	3
according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit design of the switching contact	3 Hybrid
according to IEC 61508 relating to ATEX Main circuit number of poles for main current circuit	3
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	3 Hybrid
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 0.4 2 A
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	3 Hybrid 0.4 2 A 20 %; from set rated current
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 0.4 2 A 20 %; from set rated current solid-state
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	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 %
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	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz
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	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz
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	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz
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	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz
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	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 %
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	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 2 A 2 A
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 collerance of the operating frequency operating collerance of the operating frequency operating current • at AC at 400 V rated value	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 %
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	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 2 A 2 A
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 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 2 A 2 A 2 A
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 ampacity when starting maximum	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 2 A 2 A 2 A 2 A 16 A
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-53 at 400 V rated value • at AC-53 at 400 V rated value ampacity when starting maximum operating power for 3-phase motors at 400 V at 50 Hz	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 2 A 2 A 2 A 2 A 16 A
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-33 at 400 V rated value • at AC-53a 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 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 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	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 2 A 2 A 2 A 2 A 16 A 0.09 0.75 kW
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 rated value • at AC-53a 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 Inputs/ Outputs input voltage at digital input • at DC rated value • with signal <0> at DC • for signal <1> at DC	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 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	3 Hybrid 0.4 2 A 20 %; from set rated current solid-state 48 500 V 10 % 50 Hz 60 Hz 10 % 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A

 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	
	1A
operational current of auxiliary contacts at DC-13 at 24 V maximum	IA
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	21 1
value at DC	
	0.0
initial value	0.8
 full-scale value 	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
	140 mA
at DC at 24 V at switching on of motor	ר/ווו עדו
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 	
— with bypass circuit	0.35 W
• in switching state ON	
— with bypass circuit	1.37 W
	1.57 W
Response times	
ON-delay time	65 76 ms
ON-delay time OFF-delay time	65 76 ms 30 43 ms
-	
OFF-delay time Power Electronics	
OFF-delay time Power Electronics operational current	30 43 ms
OFF-delay time Power Electronics operational current • at 40 °C rated value	30 43 ms 2 A
OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value	2 A 2 A
OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value	2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value	2 A 2 A
OFF-delay time Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value	2 A 2 A 2 A 2 A
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	2 A 2 A 2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A Vertical, horizontal, standing (observe derating) screw and snap-on mounting onto 35 mm DIN rail 100 mm 23 mm 142 mm
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 downwards 	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 2 A 2 A 2 A 2 A 2 A 2 A 2 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
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 — upwards — at the side • for grounded parts — forwards — forwards — forwards — forwards — forwards — at the side	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 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
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 - forwards - forwards	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 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
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 vith side-by-side mounting forwards backwards downwards downwards downwards downwards for grounded parts forwards backwards downwards backwards downwards downwards backwards downwards down	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
OFF-delay time Power Electronics operational current	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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	30 43 ms 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A
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 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A

• during storage	-40 +70 °C
 during storage during transport 	-40 +70 °C
environmental category during operation according 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 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)
type of electrical connection	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 mm ²), 2x (0,5 1,5 mm ²)
 at AWG cables for main contacts 	1x (20 12), 2x (20 14)
connectable conductor cross-section for main	
contacts	
 solid or stranded 	0.5 4 mm²
 finely stranded with core end processing 	0.5 4 mm ²
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 without core end processing 	0.5 1.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
• for auxiliary contacts — solid	1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)
 for auxiliary contacts — solid — finely stranded with core end processing 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²)
 for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²)
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²)
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²)
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16)
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16)
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12 20 16
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor at 230 V rated value 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor at 230 V rated value for 3-phase AC motor 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12 20 16 0.125 hp
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor at 230 V rated value for 3-phase AC motor	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12 20 16 0.125 hp 0.33 hp
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor at 230 V rated value for 3-phase AC motor	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12 20 16 0.125 hp 0.33 hp 0.33 hp
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12 20 16 0.125 hp 0.33 hp 0.33 hp 0.75 hp
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor at 230 V rated value for 3-phase AC motor at 220/230 V rated value at 460/480 V rated value operating voltage at AC rated value 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12 20 16 0.125 hp 0.33 hp 0.33 hp
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12 20 16 0.125 hp 0.33 hp 0.33 hp 0.75 hp
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor at 230 V rated value for 3-phase AC motor at 220/230 V rated value at 460/480 V rated value operating voltage at AC rated value 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12 20 16 0.125 hp 0.33 hp 0.33 hp 0.75 hp
 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 460/480 V rated value operating voltage at AC rated value 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12 20 16 0.125 hp 0.33 hp 0.33 hp 0.75 hp 480 V
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 for auxiliary contacts solid finely stranded with core end processing finely stranded without core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts UL/CSA ratings yielded mechanical performance [hp] for single-phase AC motor at 200/208 V rated value for 3-phase AC motor at 220/230 V rated value at 460/480 V rated value operating voltage at AC rated value Certificates/ approvals General Product Approval 	1x (0,5 1,0 mm ²), 2x (0,5 1,0 mm ²) 1x (0.5 1.5 mm ²), 2x (0.5 1.5 mm ²) 1x (20 16), 2x (20 16) 20 12 20 16 0.125 hp 0.33 hp 0.33 hp 0.75 hp 480 V EMC
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<u>Type Examination</u> <u>Certificate</u>



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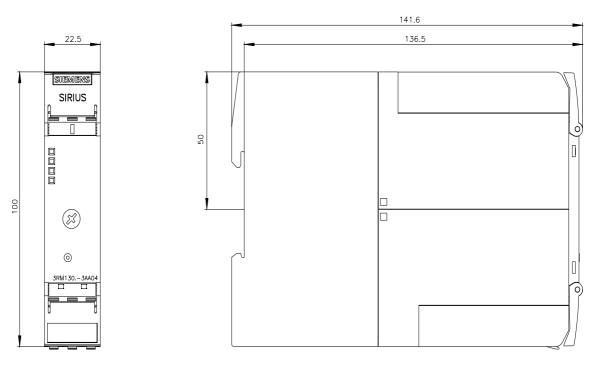
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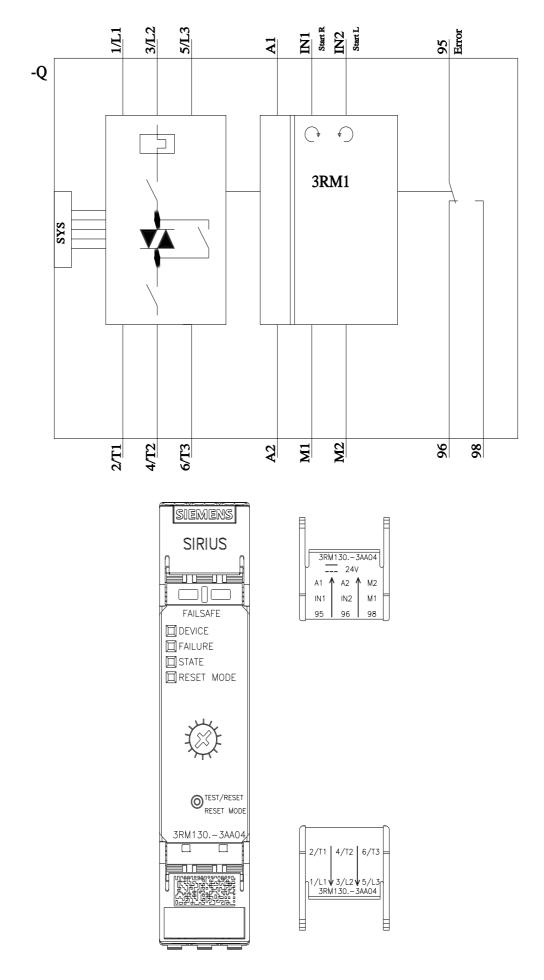
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