## SIEMENS

## Data sheet

## 3RM1102-2AA04



fail-safe direct-on-line starter, 3RM1, 500 V, 0.09 - 0.75 kW, 0.4 - 2 A, 24 V DC, spring-loaded terminal (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
<ul> <li>intrinsic device protection</li> </ul>	Yes
<ul> <li>for power supply reverse polarity protection</li> </ul>	Yes
suitability for operation device connector 3ZY12	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.1 W
<ul> <li>without load current share typical</li> </ul>	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	
<ul> <li>between main and auxiliary circuit</li> </ul>	500 V
<ul> <li>between control and auxiliary circuit</li> </ul>	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	
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	3 kV / 5 kHz
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	4 kV signal lines 2 kV
• due to conductor-conductor surge according to IEC 61000-4-5	2 kV
<ul> <li>due to high-frequency radiation according to IEC 61000- 4-6</li> </ul>	10 V

field based interference according to IEC (1000-1-2	10.1//m
field-based interference according to IEC 61000-4-3	10 V/m
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	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	
diagnostics test interval by internal test function maximum	600 s
safe state	Load circuit open
function test interval maximum	1a
stop category according to EN 60204-1	0
failure rate [FIT] at rate of recognizable hazardous failures	1 400 FIT
(λdd)	
failure rate [FIT] at rate of non-recognizable hazardous	16 FIT
failures (λdu)	2 500 000
B10d value	2 500 000
average diagnostic coverage level (DCavg) MTTFd	99 % 75 a
SIL Claim Limit (subsystem) according to EN 62061	SILCL 3
performance level (PL) according to EN ISO 13849-1	e 4
category according to EN ISO 13849-1	4 Туре В
safety device type according to IEC 61508-2	99.4 %
Safe failure fraction (SFF) hardware fault tolerance according to IEC 61508	99.4 % 1
T1 value for proof test interval or service life according to	20 a
IEC 61508	200
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	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	2.4
at AC at 400 V rated value	2 A 2 A
• at AC-3 at 400 V rated value	2 A 2 A
at AC-53a at 400 V at ambient temperature 40 °C rated value	2 A 16 A
ampacity when starting maximum	16 A
operating power for 3-phase motors at 400 V at 50 Hz Inputs/ Outputs	0.09 0.75 kW
<ul> <li>input voltage at digital input</li> <li>at DC rated value</li> </ul>	24 V
• with signal <0> at DC	24 V 0 5 V
• for signal <1> at DC	15 30
input current at digital input	
• for signal <1> at DC	
	8 mA
• with signal <0> at DC	8 mA 1 mA

number of CO contacto for cuviliany contacto	1
number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 230 V	1 3 A
maximum	38
operational current of auxiliary contacts at DC-13 at 24 V	1 A
maximum	
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	
<ul> <li>in standby mode of operation</li> </ul>	13 mA
during operation	57 mA
inrush current peak	
• at 24 V	0.28 A; values at 25 °C
<ul> <li>at DC at 24 V</li> <li>at DC at 24 V at switching on of motor</li> </ul>	300 mA
duration of inrush current peak	130 mA
• at 24 V	85 ms
• at DC at 24 V	80 ms
<ul> <li>at DC at 24 V</li> <li>at DC at 24 V at switching on of motor</li> </ul>	20 ms
power loss [W] in auxiliary and control circuit	20110
• in switching state OFF	
— with bypass circuit	0.35 W
• in switching state ON	
— with bypass circuit	1.37 W
Response times	
ON-delay time	65 76 ms
OFF-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
<ul> <li>required spacing</li> <li>with side-by-side mounting</li> </ul>	
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
— upwards — at the side	50 mm 3.5 mm
•	
— at the side	3.5 mm

- Indigenerative - Control - Contro	installation altitude at height above sea level maximum	4 000 m; For derating see manual
• during speration     -26+60 °C       • during stranged     -40+70 °C       • during transport     -40+70 °C       • PROFINET IO protocol     No       • PROFINET IO protocol     No       • PROFINET IO protocol     No       • for during and control durint     spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in)       • for during and control durint     spring-loaded terminals (push-in)       • for main circuit     spring-loaded terminals (push-in)       • for main circuit     spring-loaded terminals (push-in)       • for main circuit <t< td=""><td></td><td></td></t<>		
<ul> <li>during brange</li> <li>during transpot</li> <liduring li="" transpot<=""> <liduring< td=""><td></td><td>-25 +60 °C</td></liduring<></liduring></ul>		-25 +60 °C
• during manipot     -40     -40 <sup></sup> +70 <sup>-</sup> C       environmental category during operation according to EC     (66 no to formation, rely occasional condensation), 3C3 (no salt mist), 3S2       relative hundidy during operation     1085 %       air pressue according to SN 3205     9001800 hPa       Communication Protocol     No       protocol is supported     No       • PROFINET IO protocol     No       protocol is supported     No       • protocil supported     Spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in)       • for auxillary and control circuit     spring-loaded terminals (push-in)       • for auxillary and control circuit     spring-loaded terminals (push-in)       • for or main current circuit     spring-loaded terminals (push-in)       • for auxillary and control circuit     spring-loaded terminals (push-in)       • for auxillary and control circuit     spring-loaded terminals (push-in)       • for auxillary and control circuit     spring-loaded terminals (push-in)       • for auxillary contacts     0.54 mm <sup>2</sup> </td <td></td> <td></td>		
environmental category during operation according to IEC 69721     346 (no Le formation, only accessional condensation), 303 (no sait mist), 352 (sector)       relative humidity during operation     10		
60721     (and must not get into the devices), 3M6       relative humblity during operation     10 95 %       air pressure according to SN 31205     900 1 060 hPa       Communication/ Protocol     No       • PROFINET IO protocol     No       product function bus communication     No       of maximizer and clicult     sping-loaded terminals (puth-in) for main circult, spring-loaded terminals (puth-in)       of maximizer and clicult     sping-loaded terminals (puth-in)       • for main current clicult     sping-loaded terminals (puth-in)       • for availing and control circult     sping-loaded terminals (puth-in)       • for availing and control circult     sping-loaded terminals (puth-in)       • for availing and control circult     sping-loaded terminals (puth-in)       • for availing and control circult     sping-loaded terminals (puth-in)       • for availing and control circult     sping-loaded terminals (puth-in)       • for availing and control circult     sping-loaded terminals (puth-in)       • for availing and control circult     sping-loaded terminals (puth-in)       • for availing and control circult     sping-loaded terminals (puth-in)       • for availing and control circult     sping-loaded terminals (puth-in)	· · · ·	
al pressure according to SN 31205     900 1 080 hPa       Communication Protocol     PROFINET 10 protocol       protocol is supported     No       PROFINET 10 protocol     No       product function bus communication     No       Connectional Terminals     No       Sype of electrical connection     spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in) <ul> <li>for auxiling and control circuit</li> <li>spring-loaded terminals (push-in)</li> <li>for auxiling and control circuit</li> <li>for auxiling contacts</li> <li>for auxiling contacts</li> <li>for auxiling contacts</li> <li>for auxiling c</li></ul>	<b>o</b> , <b>o</b> , <b>o</b>	
Communication/Protocol           protocol is supported           • PROFIsalE protocol           protocol is supported AS-Interface protocol           No           protocol is supported AS-Interface protocol           No           Connections/Terminals           type of electrical connection           • for main current circuit           • for southard with out core and processing           • finely stranded with out core and processing           • finely stranded with core and processing           • finely stranded with out core and processing           • finely stranded without core and processing           • for auxillary contacts           • for auxillary contacts	relative humidity during operation	10 95 %
protocol is supported     No       • PROFINET IO protocol     No       product function bus communication     No       protocol is supported AS-Interface protocol     No       Connectional Terminals     spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in)       • for axiliary and control circuit     spring-loaded terminals (push-in)       • for axiliary and control circuit     spring-loaded terminals (push-in)       • for axiliary and control circuit     spring-loaded terminals (push-in)       • for axiliary and control circuit     spring-loaded terminals (push-in)       • finely stranded without core end processing     1x (0.5 4 mm²)       • finely stranded without core end processing     0.5 4 mm²       • finely stranded without core end processing     0.5 4 mm²       • finely stranded without core end processing     0.5 1.5 mm²       • finely stranded without core end processing     0.5 1.5 mm²       • finely stranded without core end processing     0.5 1.5 mm²       • finely stranded without core end processing     0.5 1.5 mm²       • finely stranded without core end processing     1x (0.5 1.5 mm²)       • for auxiliary contacts     20 1.5 mm²       • for auxiliary contacts     20 1.5 mm²)       • for auxiliary contacts     20 12       • for auxiliary contacts     20 16	air pressure according to SN 31205	900 1 060 hPa
• PROFINET IO protocol     No       • PROFisale protocol     No       product function bus communication     No       protocol is supported AS-Interface protocol     No <b>Connections</b> ! Terminals     spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in) for control circuit       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary contacts     0.5 4 mm²)       • for auxiliary contacts     0.5 4 mm²       • for auxiliary contacts     0.5 4 mm²       • for auxiliary contacts     0.5 1.5 mm²       • for auxiliary contacts     0.5 1.5 mm²       • for auxiliary contacts     0.5 1.5 mm²       • for auxiliary contacts     20 1.5 mm²       • for auxiliary contacts     20 1.5 mm²       • for auxiliary cont	Communication/ Protocol	
• PROFINET IO protocol     No       • PROFisale protocol     No       product function bus communication     No       protocol is supported AS-Interface protocol     No <b>Connections</b> ! Terminals     spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in) for control circuit       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       • for auxiliary contacts     0.5 4 mm²)       • for auxiliary contacts     0.5 4 mm²       • for auxiliary contacts     0.5 4 mm²       • for auxiliary contacts     0.5 1.5 mm²       • for auxiliary contacts     0.5 1.5 mm²       • for auxiliary contacts     0.5 1.5 mm²       • for auxiliary contacts     20 1.5 mm²       • for auxiliary contacts     20 1.5 mm²       • for auxiliary cont	protocol is supported	
• PROFlaste protocol     No       product function bus communication     No       protocol is supported AS-interface protocol     No       Connections/Terminals     spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in)       • for auxiliary and control circuit     spring-loaded terminals (push-in)       wire length for motor unshielded maximum     100 m       lype of connectable conductor cross-sections for main contacts     solid       • solid     1x (0.5 4 mm <sup>2</sup> )       • finely stranded with core end processing     1x (0.5 25 mm <sup>2</sup> )       • finely stranded with core end processing     0.5 4 mm <sup>2</sup> • finely stranded with core end processing     0.5 4 mm <sup>2</sup> • finely stranded with core end processing     0.5 4 mm <sup>2</sup> • finely stranded with core end processing     0.5 4 mm <sup>2</sup> • finely stranded with core end processing     0.5 4 mm <sup>2</sup> • finely stranded with core end processing     0.5 15 mm <sup>2</sup> • finely stranded with core end processing     0.5 15 mm <sup>2</sup> • finely stranded with core end processing     0.5 15 mm <sup>2</sup> • finely stranded with core end processing     0.5 15 mm <sup>2</sup> • for auxiliary contacts     1.5 mm <sup>2</sup> • for auxiliary contacts     1.5 mm <sup>2</sup> • for auxiliary contacts     1.5 mm <sup>2</sup> • for auxiliary contacts		No
product function bus communication         No           protocol is supported AS-Interface protocol         No           type of electrical connection         spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in) for control circuit         spring-loaded terminals (push-in)           • for axiliary and control circuit         spring-loaded terminals (push-in)         spring-loaded terminals (push-in)           • for motor unshilded maximum         100 m         100 m           type of connectable conductor cross-sections for main contacts         solid         1x (0.5 4 mm <sup>2</sup> )           • finely stranded with core end processing         1x (0.5 4 mm <sup>2</sup> )         1x (0.5 4 mm <sup>2</sup> )           • finely stranded with core end processing         0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> • finely stranded with core end processing         0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> • finely stranded with core end processing         0.5 1 mm <sup>2</sup> 0.5 1 mm <sup>2</sup> • finely stranded with core end processing         0.5 1.5 mm <sup>2</sup> 0.5 1.5 mm <sup>2</sup> • finely stranded with core end processing         0.5 1.5 mm <sup>2</sup> 1.5 mm <sup>2</sup> • for axuliary contacts         20 12         1.5 mm <sup>2</sup> 1.5 mm <sup>2</sup> • for axuliary contacts         20 12         1.5 mm <sup>2</sup> 1.5 mm <sup>2</sup>		No
protocol is supported AS-Interface protocol         No           Connectional Terminals         spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in) for control circuit spring-loaded terminals (push-in)         spring-loaded terminals (push-in)           • for main current circuit         spring-loaded terminals (push-in)         spring-loaded terminals (push-in)           • for auxiliary and control circuit         spring-loaded terminals (push-in)         spring-loaded terminals (push-in)           • for auxiliary and control circuit         spring-loaded terminals (push-in)         spring-loaded terminals (push-in)           • for auxiliary and control circuit         spring-loaded terminals (push-in)         spring-loaded terminals (push-in)           • solid         • finely stranded with core end processing         1x (0.54 mm²)         finely stranded without core end processing           • finely stranded without core end processing         0.54 mm²         finely stranded without core end processing         0.51.5 mm²           • solid or stranded         0.51 mm²         finely stranded with core end processing         0.51.5 mm²           • finely stranded with core end processing         0.5		
Connections/Terminals       spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in)         • for main current circuit       spring-loaded terminals (push-in)         • wire length for motor unshielded maximum       100 m         • yee of connectable conductor cross-sections for main contacts       in (a)         • of auxiliary and carlot dicuit       spring-loaded terminals (push-in)         • of auxiliary and carlot dicuit       spring-loaded terminals (push-in)         • of auxiliary and carlot cross-sections for main contacts       in (a)         • of auxiliary and carlot core and processing       1x (0.5 4 mm²)         • of auxiliary contacts       0.5 4 mm²         • of auxiliary contacts       0.5 2.6 mm²         • of auxiliary contacts       0.5 1.5 mm²         • of auxiliary contacts       0.5 1.5 mm²         • of auxiliary contacts       0.5 1.5 mm²         • of auxiliary contacts       1x (0.5 1.5 mm²)         • of auxi		
type of electrical connection       spring-loaded terminals (push-in) for main circuit, spring-loaded terminals (push-in) for control circuit         • 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       1x (0.5 4 mm <sup>2</sup> )         • solid       1x (0.5 4 mm <sup>2</sup> )         connectable conductor cross-section for main contacts       0.5 4 mm <sup>2</sup> )         connectable conductor cross-section for main contacts       0.5 4 mm <sup>2</sup> • solid or stranded       0.5 4 mm <sup>2</sup> connectable conductor cross-section for auxiliary contacts       0.5 4 mm <sup>2</sup> • solid or stranded       0.5 4 mm <sup>2</sup> connectable conductor cross-section for auxiliary contacts       0.5 1.5 mm <sup>2</sup> • solid or stranded       0.5 1.5 mm <sup>2</sup> of auxiliary contacts       1x (0.5 1.5 mm <sup>2</sup> )         • finely stranded with core end processing       0.5 1.5 mm <sup>2</sup> function stranded       0.5 1.5 mm <sup>2</sup> • for auxiliary contacts       1x (0.5 1.5 mm <sup>2</sup> )         • for auxiliary contacts       1x (0.5 1.5 mm <sup>2</sup> )         • for auxiliary contacts       1x (0.5 1.5 mm <sup>2</sup> )         • for auxiliary contacts       20 12		
• for main current circuit       (push-in) for control circuit       spring-loaded terminals (push-in)         • 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       in Rely stranded with core end processing         1 x (0.5 4 mm <sup>2</sup> )       in Rely stranded with core end processing         • finely stranded with core end processing       0.5 4 mm <sup>2</sup> • finely stranded with core end processing       0.5 4 mm <sup>2</sup> • finely stranded with core end processing       0.5 4 mm <sup>2</sup> • finely stranded with core end processing       0.5 4 mm <sup>2</sup> • finely stranded with core end processing       0.5 1.5 mm <sup>2</sup> • solid or stranded       0.5 1.5 mm <sup>2</sup> • finely stranded with core end processing       0.5 1.5 mm <sup>2</sup> • finely stranded with core end processing       0.5 1.5 mm <sup>2</sup> , 2x (0.5 1.5 mm <sup>2</sup> )         • finely stranded with core end processing       1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )         • finely stranded with core end processing       1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )         • for auxiliary contacts       1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )         • for auxiliary contacts       20 12       0 re auxiliary contacts		spring-loaded terminals (push-in) for main circuit spring-loaded 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     inley stranded with core end processing       • finely stranded with our end processing     1x (0.5 2.5 mm²)       • finely stranded with our end processing     0.5 4 mm²       • solid or stranded     0.5 4 mm²       • inely stranded with our end processing     0.5 4 mm²       • inely stranded with our end processing     0.5 4 mm²       • solid or stranded     0.5 1.5 mm²       • inely stranded with our end processing     0.5 1.5 mm²       • inely stranded with our end processing     0.5 1.5 mm²       • inely stranded with our end processing     0.5 1.5 mm²       • inely stranded with core end processing     0.5 1.5 mm²       • for auxiliary contacts     0.5 1.5 mm²       • or auxiliary contacts     1x (0.5 1.5 mm²)       • for auxiliary contacts     20 10 mm²)       • for auxiliary contacts     20 10 mm²)       • for auxiliary contacts     20 10 mm²) <t< td=""><td></td><td></td></t<>		
wire length for motor unshielded maximum     100 m       type of connectable conductor cross-sections for main contacts     1x (0.5 4 mm <sup>2</sup> )       • finely stranded with core end processing     1x (0.5 4 mm <sup>2</sup> )       • inely stranded without core end processing     0.5 4 mm <sup>2</sup> • connectable conductor cross-section for main contacts     0.5 4 mm <sup>2</sup> • olid or stranded     0.5 4 mm <sup>2</sup> • finely stranded without core end processing     0.5 4 mm <sup>2</sup> • onnectable conductor cross-section for auxiliary contacts     0.5 4 mm <sup>2</sup> • olid or stranded     0.5 4 mm <sup>2</sup> • onnectable conductor cross-sections     0.5 1.5 mm <sup>2</sup> • olid or stranded     0.5 1.5 mm <sup>2</sup> • of auxiliary contacts     1x (0.5 1.5 mm <sup>3</sup> ), 2x (0.5 1.5 mm <sup>3</sup> )       • of auxiliary contacts     1x (0.5 1.5 mm <sup>3</sup> ), 2x (0.5 1.5 mm <sup>3</sup> )       • of auxiliary contacts     1x (0.5 1.5 mm <sup>3</sup> ), 2x (0.5 1.5 mm <sup>3</sup> )       • of rawiliary contacts     1x (0.5 1.5 mm <sup>3</sup> ), 2x (0.5 1.5 mm <sup>3</sup> )       • of rawiliary contacts     20 12	<ul> <li>for main current circuit</li> </ul>	spring-loaded terminals (push-in)
type of connectable conductor cross-sections for main contacts       ix (0.5 4 mm²)         • solid       1x (0.5 4 mm²)         • finely stranded without core end processing       1x (0.5 4 mm²)         connectable conductor cross-section for main contacts       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • finely stranded with core end processing       0.5 4 mm²         • finely stranded with core end processing       0.5 4 mm²         • finely stranded with core end processing       0.5 15 mm²         • solid or stranded       0.5 15 mm²         • finely stranded with core end processing       0.5 15 mm²         • finely stranded with core end processing       0.5 15 mm²         • finely stranded with core end processing       0.5 15 mm²         • for auxiliary contacts       1x (0.5 15 mm²), 2x (0.5 1.5 mm²)         • for auxiliary contacts       1x (0.5 15 mm²), 2x (0.5 1.5 mm²)         • for auxiliary contacts       1x (0.5 16 mm²), 2x (0.5 1.5 mm²)         • for auxiliary contacts       1x (0.5 16 mm²), 2x (0.5 1.5 mm²)         • for Auxiliary contacts       20 15 mm²         • for auxiliary contacts       20 15 mm²         • for Alphase for mains       20 15 mm²         • for auxiliary contacts       20	<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals (push-in)
type of connectable conductor cross-sections for main contacts       ix (0.5 4 mm <sup>2</sup> )         • solid       1x (0.5 2.5 mm <sup>2</sup> )         • finely stranded without core end processing       1x (0.5 4 mm <sup>2</sup> )         connectable conductor cross-section for main contacts       0.5 4 mm <sup>2</sup> • solid or stranded       0.5 4 mm <sup>2</sup> • finely stranded with core end processing       0.5 4 mm <sup>2</sup> • finely stranded with core end processing       0.5 4 mm <sup>2</sup> • finely stranded with core end processing       0.5 4 mm <sup>2</sup> • finely stranded with core end processing       0.5 15 mm <sup>2</sup> • finely stranded with core end processing       0.5 15 mm <sup>2</sup> • finely stranded with core end processing       0.5 15 mm <sup>2</sup> • for auxiliary contacts       - solid         • finely stranded without core end processing       0.5 15 mm <sup>2</sup> )         • for auxiliary contacts       - solid         - nicely stranded without core end processing       1x (0.5 15 mm <sup>2</sup> )         - finely stranded without core end processing       1x (0.5 10 mm <sup>2</sup> )         - finely stranded without core end processing       1x (0.5 15 mm <sup>2</sup> )         - for auxiliary contacts       20 15 mm <sup>2</sup> - for AWG cables for auxiliary contacts       20 15 mm <sup>2</sup> - for wi		
<ul> <li>solid</li> <li>inely stranded with core end processing</li> <li>inely stranded without core end processing</li> <li>inely stranded without core end processing</li> <li>inely stranded without core end processing</li> <li>0.5 4 mm<sup>2</sup></li> <li>oranectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>of auxiliary contacts</li> <li>of auxiliary con</li></ul>		
<ul> <li>finely stranded without core end processing</li> <li>tx (0.5 4 mm<sup>2</sup>)</li> <li>connectable conductor cross-section for main contacts</li> <li>solid or stranded</li> <li>0.5 4 mm<sup>2</sup></li> <li>finely stranded without core end processing</li> <li>0.5 4 mm<sup>2</sup></li> <li>finely stranded without core end processing</li> <li>0.5 4 mm<sup>2</sup></li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>of nearly stranded with core end processing</li> <li>0.5 4 mm<sup>2</sup></li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>0.5 1.5 mm<sup>2</sup></li> <li>finely stranded with core end processing</li> <li>0.5 1.5 mm<sup>2</sup></li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>- solid</li> <li>tx (0.5 1.5 mm<sup>2</sup>), 2x (0.5 1.5 mm<sup>2</sup>)</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>- solid</li> <li>tx (0.5 1.5 mm<sup>2</sup>), 2x (0.5 1.5 mm<sup>2</sup>)</li> <li>tr (0.5 1.5 mm<sup>2</sup>), 2x (0.5 1.5 mm<sup>2</sup>)</li> <li>tr (0.5 1.5 mm<sup>2</sup>), 2x (0.5 1.5 mm<sup>2</sup>)</li> <li>for AWG cables for auxiliary contacts</li> <li>tx (0.5 1.5 mm<sup>2</sup>), 2x (0.5 1.5 mm<sup>2</sup>)</li> <li>to raw contacts</li> <li>type of connectable conductor cross section</li> <li>for auxiliary contacts</li> <li>tx (0.5 1.5 mm<sup>2</sup>), 2x (0.5 1.5 mm<sup>2</sup>)</li> <li>ty CosA ratings</li> <li>yleided mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>- at 230 V rated value</li> <li>0.333 hp</li> <li>- at 200/208 V rated value</li> <li>0.333 hp</li> <li>- at 200/208 V rated value</li> <li>0.333 hp</li> <li>- at 200/208 V rated value</li> <li>0.75 hp</li> <li>operational current at AC at 480 V according to UL 508</li> <li>2 A</li> </ul>		1x (0.5 4 mm²)
• finely stranded without core end processing       1x (0.5 4 mm²)         connectable conductor cross-section for main contacts       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • finely stranded with core end processing       0.5 4 mm²         connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         • solid or stranded       0.5 15 mm²         • finely stranded with core end processing       0.5 1.5 mm²         • finely stranded without core end processing       0.5 1.5 mm²         • finely stranded without core end processing       0.5 1.5 mm²         • finely stranded with core end processing       0.5 1.5 mm²)         • finely stranded with core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         • finely stranded with core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         • finely stranded with core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         • finely stranded with core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         • finely stranded with core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         • for auxiliary contacts       20 12         • for auxiliary contacts       20 12         • for auxiliary contacts       20 16         ULCSA ratings		
connectable conductor cross-section for main contacts       0.5 4 mm²         • solid or stranded       0.5 2.5 mm²         • finely stranded with core end processing       0.5 4 mm²         connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • finely stranded with core end processing       0.5 15 mm²         • finely stranded with core end processing       0.5 15 mm²         • finely stranded with core end processing       0.5 1.5 mm²         • for auxiliary contacts       - solid         - solid       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - finely stranded without core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - finely stranded without core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - finely stranded without core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - for auxiliary contacts       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - for MWG cables for auxiliary contacts       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - for main contacts       20 12         • for auxiliary contacts       20 12         • for auxiliary contacts       20 12         • for auxiliary contacts       20 12         • fo		
• solid or stranded       0.5 4 mm <sup>2</sup> • finely stranded with core end processing       0.5 4 mm <sup>2</sup> • finely stranded without core end processing       0.5 4 mm <sup>2</sup> connectable conductor cross-section for auxiliary contacts       0.5 1.5 mm <sup>2</sup> • solid or stranded       0.5 1.5 mm <sup>2</sup> • finely stranded with core end processing       0.5 1.5 mm <sup>2</sup> • finely stranded without core end processing       0.5 1.5 mm <sup>2</sup> • for auxiliary contacts       -         • of or auxiliary contacts       -         - finely stranded with core end processing       1x (0.5 1.5 mm <sup>2</sup> )         - finely stranded with core end processing       1x (0.5 1.0 mm <sup>2</sup> ), 2x (0.5 1.0 mm <sup>2</sup> )         - finely stranded without core end processing       1x (0.5 1.0 mm <sup>2</sup> ), 2x (0.5 1.0 mm <sup>2</sup> )         - finely stranded without core end processing       1x (0.5 1.0 mm <sup>2</sup> ), 2x (0.5 1.0 mm <sup>2</sup> )         - finely stranded without core end processing       1x (0.5 1.0 mm <sup>2</sup> ), 2x (0.5 1.0 mm <sup>2</sup> )         - finely stranded without core end processing       1x (0.5 1.0 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )         - finely stranded without core end processing       1x (0.5 1.0 mm <sup>2</sup> ), 2x (0.5 1.0 mm <sup>2</sup> )         - finely stranded without core end processing       1x (0.5 1.0 mm <sup>2</sup> )         - finely stranded without core end proc		
<ul> <li>finely stranded with core end processing</li> <li>0.5 2.5 mm<sup>2</sup></li> <li>finely stranded without core end processing</li> <li>0.5 4 mm<sup>2</sup></li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>0.5 1.5 mm<sup>2</sup></li> <li>finely stranded with core end processing</li> <li>0.5 1.5 mm<sup>3</sup></li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>a solid</li> <li>1x (0.5 1.5 mm<sup>3</sup>), 2x (0.5 1.5 mm<sup>3</sup>)</li> <li>finely stranded with core end processing</li> <li>1x (0.5 1.5 mm<sup>3</sup>), 2x (0.5 1.5 mm<sup>3</sup>)</li> <li>finely stranded with core end processing</li> <li>1x (0.5 1.5 mm<sup>3</sup>), 2x (0.5 1.5 mm<sup>3</sup>)</li> <li>for auxiliary contacts</li> <li>a solid</li> <li>1x (0.5 1.5 mm<sup>3</sup>), 2x (0.5 1.5 mm<sup>3</sup>)</li> <li>for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>tx (20 16), 2x (20 16)</li> <li>AWG number as coded connectable conductor cross section</li> <li>for main contacts</li> <li>gouther contacts</li> <l< td=""><td></td><td>0.5 4 mm<sup>2</sup></td></l<></ul>		0.5 4 mm <sup>2</sup>
• finely stranded without core end processing     0.5 4 mm <sup>2</sup> connectable conductor cross-section for auxiliary contacts     0.5 15 mm <sup>2</sup> • solid or stranded     0.5 1 mm <sup>2</sup> • finely stranded with core end processing     0.5 1 mm <sup>2</sup> • finely stranded with core end processing     0.5 1 mm <sup>2</sup> • finely stranded without core end processing     0.5 1.5 mm <sup>2</sup> • for auxiliary contacts     - solid       - solid     1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )       - finely stranded with core end processing     1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 1.0 mm <sup>2</sup> )       - finely stranded with core end processing     1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )       - finely stranded with core end processing     1x (0.5 1.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )       - finely stranded without core end processing     1x (2.5 1.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )       - finely stranded conductor cross sections     1x (2.0 16), 2x (2.0 16)       AWG number as coded connectable conductor cross section     - for main contacts       • for axiliary contacts     20 16       UL/CSA ratings     20 16       yielded mechanical performance [hp]     - for single-phase AC motor       - at 200 Z0 V rated value     0.125 hp       - at 200/208 V rated value     0.333 hp       - at 200/208 V rated value     0.75 hp       operational current a		
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         • for auxiliary contacts       0.5 1.5 mm²         - 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 with core end processing       1x (0.5 1.0 mm²), 2x (0.5 1.0 mm²)         - finely stranded with core end processing       1x (0.5 1.0 mm²), 2x (0.5 1.5 mm²)         - finely stranded with core end processing       1x (0.5 1.0 mm²), 2x (0.5 1.5 mm²)         - finely stranded with core end processing       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 1.5 mm²)         - finely stranded with core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - finely stranded with core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - finely stranded with core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - finely stranded without core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - finely stranded without core end processing       1x (0.5 1.5		
<ul> <li>solid or stranded</li> <li>0.5 1.5 mm<sup>2</sup></li> <li>finely stranded with core end processing</li> <li>0.5 1.5 mm<sup>2</sup></li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>– solid</li> <li>1x (0.5 1.5 mm<sup>2</sup>), 2x (0.5 1.5 mm<sup>2</sup>)</li> <li>finely stranded with core end processing</li> <li>1x (0.5 1.5 mm<sup>2</sup>), 2x (0.5 1.5 mm<sup>2</sup>)</li> <li>finely stranded with core end processing</li> <li>1x (0.5 1.5 mm<sup>2</sup>), 2x (0.5 1.0 mm<sup>2</sup>)</li> <li>finely stranded without core end processing</li> <li>1x (0.5 1.0 mm<sup>2</sup>), 2x (0.5 1.0 mm<sup>2</sup>)</li> <li>for AWG cables for auxiliary contacts</li> <li>1x (20 16), 2x (20 16)</li> </ul> AWG number as coded connectable conductor cross section <ul> <li>for main contacts</li> <li>1x (20 16), 2x (20 16)</li> </ul> AWG number as coded connectable conductor cross section <ul> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>20 12</li> <li>for auxiliary contacts</li> <li>20 16</li> </ul> U/CSA ratings yleided mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 200/208 V rated value</li> <li>0.333 hp</li> <li>at 200/208 V rated value</li> <li>0.333 hp</li> <li>at 400/480 V rated value</li> <li>0.75 hp</li> </ul> operational current at AC at 480 V according to UL 508 <ul> <li>2 A</li> </ul> Certificates/ approvals General Product Approval		0.0 4 mm
• 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       - solid         • for auxiliary contacts       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - finely stranded with core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - finely stranded without core end processing       1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)         - finely stranded without core end processing       1x (20 10 mm²), 2x (0.5 1.5 mm²)         - finely stranded without core end processing       1x (20 16), 2x (20 16)         AWG number as coded connectable conductor cross sections       20 12         • for main contacts       20 12         • for auxiliary contacts       20 16         UL/CSA ratings       20 16         yielded mechanical performance [hp]       • for 3-phase AC motor         - at 200/208 V rated value       0.125 hp         • for 3-phase AC motor       - at 220/230 V rated value         - at 200/208 V rated value       0.333 hp         - at 480/480 V rated value       0.75 hp         operational current at AC at 480 V according to UL 508       2 A         Certificates/ approvals       2 A	-	$0.5 \pm 1.5 \text{ mm}^2$
• finely stranded without core end processing         0.5 1.5 mm <sup>2</sup> type of connectable conductor cross-sections <ul> <li>for auxiliary contacts</li> <li>solid</li> <li>1x (0.5 1.5 mm<sup>2</sup>), 2x (0.5 1.5 mm<sup>2</sup>)</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for single-phase coded connectable conductor cross section</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>20 12</li> <li>for auxiliary contacts</li> <li>20 16</li> </ul> <li>typelded mechanical performance [hp]         <ul> <li>for single-phase AC motor</li> <li>at 200/208 V rated value</li> <li>cot 200/208 V rated value</li> <li>cot 200/208 V rated value</li> <li>cot 4480 V according to UL 508</li> <li>2A</li> </ul> </li> <li>Certificates/ approvals</li> <li>General Product Approval</li>		
type of connectable conductor cross-sections         • for auxiliary contacts         - 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 1.0 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       1x (20 16)         AWG number as coded connectable conductor cross section       0 12         • for auxiliary contacts       20 12         • for auxiliary contacts       20 16         UL/CSA ratings       20 16         UL/CSA ratings       0.125 hp         • for single-phase AC motor       0.125 hp         - at 220/208 V rated value       0.333 hp         - at 220/208 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         Certificates/ approvals       2 A		
<ul> <li>for auxiliary contacts         <ul> <li>solid</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG counsers as coded connectable conductor cross section</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>20 12</li> <li>for auxiliary contacts</li> <li>20 16</li> </ul> </li> <li>UL/CSA ratings</li> <li>yielded mechanical performance [hp]         <ul> <li>for single-phase AC motor</li> <li>at 200/208 V rated value</li> <li>0.125 hp</li> <li>for 3-phase AC motor</li> <li>at 220/230 V rated value</li> <li>0.333 hp</li> <li>at 460/480 V rated value</li> <li>0.75 hp</li> </ul> </li> <li>operational current at AC at 480 V according to UL 508</li> <li>2 A</li> <li>Certificates/ approvals</li> </ul>		0.5 1.5 mm
solid1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²) finely stranded with core end processing1x (0.5 1,0 mm²), 2x (0.5 1,0 mm²) finely stranded without core end processing1x (0.5 1,5 mm²), 2x (0.5 1,5 mm²) finely stranded without core end processing1x (0.5 1,5 mm²), 2x (0.5 1,5 mm²) for AWG cables for auxiliary contacts1x (20 16), 2x (20 16)AWG number as coded connectable conductor cross section20 12 for main contacts20 12 for auxiliary contacts20 16ULCSA ratings20 16ULCSA ratings20 12 at 230 V rated value0.125 hp for 3-phase AC motor at 200/208 V rated value0.333 hp at 200/208 V rated value0.333 hp at 460/480 V rated value0.75 hp at 460/480 V rated value0.75 hp at 480 V rated value0.75 hp at 200 rated value0.333 hp at 480 V rated value0.75 hp		
finely stranded with core end processing1x (0,5 1,0 mm²), 2x (0,5 1,0 mm²) finely stranded without core end processing1x (0,5 1,5 mm²), 2x (0,5 1,5 mm²)• for AWG cables for auxiliary contacts1x (20 16), 2x (20 16)AWG number as coded connectable conductor cross section0 12• for main contacts20 12• for auxiliary contacts20 16UL/CSA ratings1yielded mechanical performance [hp]0.125 hp• for 3-phase AC motor0.125 hp- at 230 V rated value0.333 hp- at 200/208 V rated value0.333 hp- at 480/480 V rated value0.75 hpoperational current at AC at 480 V according to UL 5082 ACertificates/ approvals2 A		$1 \times (0.5 - 1.5 \text{ mm}^2) 2 \times (0.5 - 1.5 \text{ mm}^2)$
finely stranded without core end processing1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)• for AWG cables for auxiliary contacts1x (20 16), 2x (20 16)AWG number as coded connectable conductor cross section20 12• for main contacts20 12• for auxiliary contacts20 16UL/CSA ratings20 16UL/CSA ratings		
• for AWG cables for auxiliary contacts         1x (20 16), 2x (20 16)           AWG number as coded connectable conductor cross section         • for main contacts         20 12           • for main contacts         20 16         UL/CSA ratings           UL/CSA ratings         • for single-phase AC motor         • for 3-phase AC motor           • for 3-phase AC motor         • for 3-phase AC motor         • for 3-phase AC motor           • at 220/208 V rated value         0.333 hp         • at 220/230 V rated value           • at 220/230 V rated value         0.75 hp         • operational current at AC at 480 V according to UL 508           Certificates/ approvals         General Product Approval         • for subscription		
AWG number as coded connectable conductor cross section       20 12         • for main contacts       20 12         • for auxiliary contacts       20 16         UL/CSA ratings       0 16         yielded mechanical performance [hp]       • for single-phase AC motor         - at 230 V rated value       0.125 hp         • for 3-phase AC motor       - at 200/208 V rated value         - at 200/208 V rated value       0.333 hp         - at 220/230 V rated value       0.75 hp         operational current at AC at 480 V according to UL 508       2 A         Certificates/ approvals       General Product Approval		
section       • for main contacts       20 12         • for auxiliary contacts       20 16         UL/CSA ratings       • for single-phase AC motor         • for 3-phase AC motor       0.125 hp         • for 3-phase AC motor       - at 200/208 V rated value         • for 3-phase AC motor       0.333 hp         - at 200/208 V rated value       0.333 hp         - at 220/230 V rated value       0.75 hp         operational current at AC at 480 V according to UL 508       2 A         Certificates/ approvals       General Product Approval	· · · · · · · · · · · · · · · · · · ·	IX (20 10), 2X (20 10)
• for auxiliary contacts       20 16         UL/CSA ratings		
UL/CSA ratings         yielded mechanical performance [hp]         • for single-phase AC motor       0.125 hp         - at 230 V rated value       0.125 hp         • for 3-phase AC motor       0.333 hp         - 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         Q A	for main contacts	20 12
UL/CSA ratings         yielded mechanical performance [hp]         • for single-phase AC motor       0.125 hp         - at 230 V rated value       0.125 hp         • for 3-phase AC motor       0.333 hp         - 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         Q A	for auxiliary contacts	20 16
yielded mechanical performance [hp]         • for single-phase AC motor         - 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 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         Certificates/ approvals       General Product Approval		
<ul> <li>for single-phase AC motor         <ul> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>0.75 hp</li> </ul> </li> <li>operational current at AC at 480 V according to UL 508</li> <li>2 A</li> <li>Certificates/ approvals</li> </ul>		
• 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           Certificates/ approvals         General Product Approval		0.125 hp
- at 200/208 V rated value0.333 hp- at 220/230 V rated value0.333 hp- at 460/480 V rated value0.75 hpoperational current at AC at 480 V according to UL 5082 ACertificates/ approvalsGeneral Product Approval		
		0.333 hp
operational current at AC at 480 V according to UL 508     2 A       Certificates/ approvals     General Product Approval		
Certificates/ approvals General Product Approval		·
General Product Approval	· · ·	20
EMC     For use in hazard-     Test Certificates     other     Railway	EMC For use in hazard- Test Certificat	es other Railway

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<u>Type Test Certific-</u> <u>ates/Test Report</u> Confirmation

Special Test Certificate

## **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=3RM1102-2AA04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RM1102-2AA04

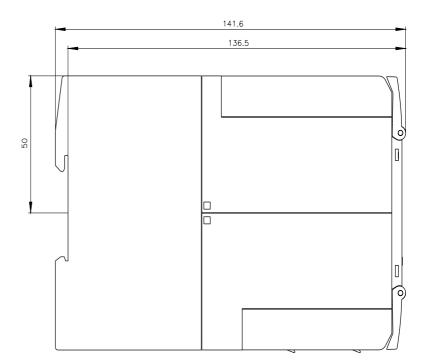
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

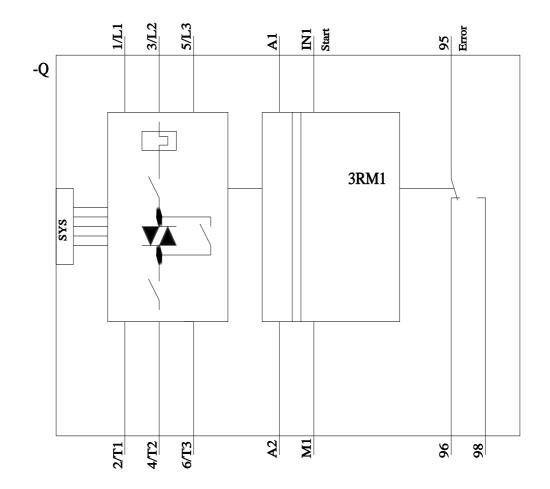
https://support.industry.siemens.com/cs/ww/en/ps/3RM1102-2AA04

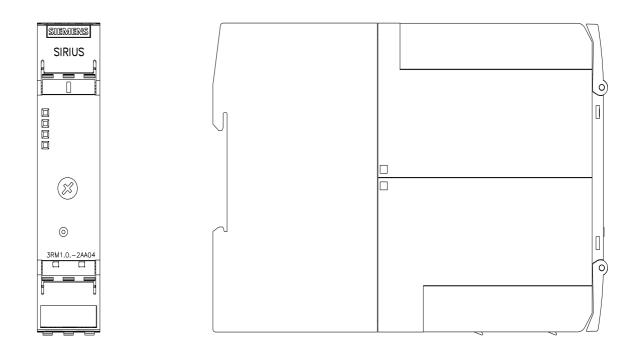
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RM1102-2AA04&lang=en









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12/1/2023