SIEMENS

Data sheet

3RA2130-4EA35-0NB3

	Load feeder fuseless, Direct-on-line starting 400 V AC, Size S2 22 32 A 20 33 V AC/DC screw terminal for installation on standard mounting rail (also fulfills type of coordination 1) Type of coordination 2, Iq = 100 kA 1 NO+1 NC (contactor) with circuit (integrated)		
product brand name	SIRIUS		
product designation	Direct (on-line) starter		
design of the product	for standard rail or screw mounting		
product type designation	3RA21		
manufacturer's article number			
of the supplied contactor	3RT2035-1NB30		
of the supplied circuit-breakers	3RV2031-4EA10		
of the supplied link module	3RA2931-1AA00		
General technical data	<u> </u>		
size of the circuit-breaker	S2		
size of load feeder	S2		
power loss [W] for rated value of the current	52		
	8.2 W		
at AC in hot operating state per pole without load current share typical	6.2 VV 2 W		
without load current share typical includion voltage with degree of pollution 3 at AC rated value.			
insulation voltage with degree of pollution 3 at AC rated value	690 V		
surge voltage resistance rated value	6 kV		
degree of protection NEMA rating	other		
shock resistance according to IEC 60068-2-27	6g / 11 ms		
mechanical service life (operating cycles) of contactor typical	10 000 000		
type of assignment	2		
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD		
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001		
reference code according to IEC 81346-2:2019	Q		
Substance Prohibitance (Date)	03/01/2017		
Ambient conditions			
ambient temperature			
during operation	-20 +60 °C		
 during storage 	-50 +80 °C		
during transport	-50 +80 °C		
temperature compensation	-20 +60 °C		
relative humidity during operation	10 95 %		
Main circuit			
number of poles for main current circuit	3		
design of the switching contact	electromechanical		
adjustable current response value current of the current- dependent overload release	22 32 A		
operating voltage			
rated value	690 V		
• at AC-3 rated value maximum	690 V		
at AC-3e rated value maximum	690 V		
operating frequency rated value	50 60 Hz		
operational current			
at AC-3 at 400 V rated value	32 A		
at AC-3e at 400 V rated value	32 A		
operating power			
• at AC-3			
— at 400 V rated value	15 000 W		
• at AC-3e	10 000 11		
— at 400 V rated value	15 000 kW		
11 11 111	10 000 KW		
Control circuit/ Control			

ype of voltage of the control supply voltage at AC		
* 415 0Hz rated value	type of voltage of the control supply voltage	AC/DC
* at 80 Hz rated value		
• all 00 Hz rated value 20 33 V control supply voltage at DC • rated value 20 33 V sparent holding power for magnet coil at AC 2VA • at 60 Hz rated value 20 38 V sparent holding power for magnet coil at AC 2VA • at 60 Hz rated value 20 38 V sparent holding power for magnet coil at AC 2VA • at 60 Hz 2 Inductive power factor with the holding power of the coil 1 holding power of magnet coil at DC 1W Ascritists, relieval Productive and monitoring functions trip class CLASS 10 design of the overload release class CLASS 10 design of the overload release tubernal (binetallic) tubernal (binetallic) tubernal (binetallic) seponse value current of instantaneous short-circuit sirp unt ULOSA ratings full-load current (FLA) for 3-phase AC motor • at 600 V rated value	at 50 Hz rated value	24 V
• all 60 Hz retor value	at 50 Hz rated value	20 33 V
control supply voltage at DC • rided value • rided value apparent holding power of magnet coil at AC • at 60 tez • at	at 60 Hz rated value	24 V
	at 60 Hz rated value	20 33 V
	control supply voltage at DC	
apparent holding power of magnet coil at AC • 10 10 11z • 10 10 11z • 10 10 11z • 10 10 11z Auxiliary circuit product activation auxiliary switch Frotective and monitoring functions trip class CLASS 10 design of the overload release tresponse value current of instantaneous short-circuit trip unit ULICSA ratings Tull-load current (FLA) for 3-phase AC motor • 11 480 V rated value • 11 00 V rated value • 12 00 V rated value • 10 10 10 10 10 10 10 10 10 10 10 10 10	rated value	24 V
• at 50 Hz	rated value	20 33 V
• 16 0 Hz	apparent holding power of magnet coil at AC	2 VA
Inductive power factor with the holding power of the coil 1 M Nothing power of magnet coil at DC 1 M Nothing power of magnet coil at DC 1 M Nothing power of magnet coil at DC 1 M Nothing power of magnet coil at DC 1 M Nothing power of magnet coil at DC 1 M Nothing power of magnet coil at DC 1 M Nothing power of magnet coil at DC 1 M Nothing power of magnet coil at DC 1 M Nothing power of magnet coil at DC 1 M Nothing power of magnet coil at DC 1 M Nothing power of magnetic po	● at 50 Hz	2 VA
holding power of magnet coil at DC Auxiliary circuit product extension auxillary switch Protective and monitoring functions trip class design of the overload rolease response value current of instantaneous short-circuit trip unit UIUCSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value at 200 V rated value for spheshase AC motor at 190/20 V rated value for spheshase AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200/208 V rated value for sphese AC motor at 200 V saced value for sphese AC motor at 200 V saced value for sphese AC motor at 200 V saced value for sphese AC motor at 200 V saced value for sphese AC motor at 200 V saced value for sphese AC motor at 200 V saced value for sphese AC motor for sphese AC motor at 200 V saced value for sphese AC motor for sphe	• at 60 Hz	2 VA
Auxiliary aircuit product extension auxillary switch Protective and monitoring functions trip class design of the overload release response value current of instantaneous short-circuit trip unit ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 10102 V rated value • at 200 V rated value • at 460480 V rated value • at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947-4-1 rated value at 460 V according to IECE 6947	inductive power factor with the holding power of the coil	1
product extension auxiliary switch Protective and monitoring functions trip class design of the overload release response value current of instantaneous short-circuit trip unit ULICSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 800 V rated value • at 800 V rated value • for single-phase AC motor — at 1101/120 V rated value • for 3-phase AC motor — at 200230 V rated value • for 3-phase AC motor — at 200230 V rated value • for 3-phase AC motor — at 200230 V rated value • for 3-phase AC motor — at 200230 V rated value • for 3-phase AC motor — at 200230 V rated value • for 3-phase AC motor — at 200230 V rated value • for 3-phase AC motor — at 200230 V rated value • for 3-phase AC motor — at 200230 V rated value • for 3-phase AC motor — at 480480 V rated value • 20 hp Short-circuit protection product function short circuit protection design of the short-circuit current (fig) • at 400 V according to IEC 69647-4-1 rated value 100 000 A Installation/mounting/ dimensions mounting position vertical, horizontal fastening method screw and snap-on mounting to two 35 mm DIN rails height 274 mm width 55 mm depth — for grounded parts — fowards — upwards — backwards — upwards — backwards — upwards — of or live parts — owards — 10 mm — owards — 10 mm — owards — 10 mm — owards — upwards — owards — upwards — owards — upwards — owards — owards — owards — upwards — owards — owards — owards — owards — owards — owards — upwards — owards	holding power of magnet coil at DC	1 W
Protective and monitoring functions trip class	Auxiliary circuit	
trip class design of the overload release tempose value current of instantaneous short-circuit trip unit ULCSA ratings full-load current (FLA) for 3-phase AC motor at 400 V rated value 32 A at 800 V rated value 32 A yleided mechanical performance (hp) of for single-phase AC motor — at 1101/20 V rated value 5 hop — at 230 V rated value 5 hop — at 200/208 V rated value 10 hp — at 200/208 V rated value 10 hp — at 200/208 V rated value 10 hp — at 200/208 V rated value 10 hp — at 200/208 V rated value 10 hp — at 460/480 V rated value 10 hp — at 460/480 V rated value 10 hp — at 460/480 V rated value 20 hp Short-circuit protection product function short circuit protection design of the short-circuit current (q) at 400 V according to EC 60947-4-1 rated value 100 000 A Installation/mounting/dimensions mounting position fastening method screw and snap-on mounting to two 35 mm DIN rails height 274 mm width 55 mm depth 150 mm required spacing of or grounded parts — forwards — backwards — upwards — 50 mm — at the side — 10 mm — ownwards — 10 mm — at the side — 10 mm — ownwards — 10 mm — at the side — 10 mm — at the side — 10 mm — ownwards — 10 mm — ownwards — 10 mm — at the side — 10 mm — ownwards — 10 mm — ow	product extension auxiliary switch	Yes
trip class design of the overload release tempose value current of instantaneous short-circuit trip unit ULCSA ratings full-load current (FLA) for 3-phase AC motor at 400 V rated value 32 A at 800 V rated value 32 A yleided mechanical performance (hp) of for single-phase AC motor — at 1101/20 V rated value 5 hop — at 230 V rated value 5 hop — at 200/208 V rated value 10 hp — at 200/208 V rated value 10 hp — at 200/208 V rated value 10 hp — at 200/208 V rated value 10 hp — at 200/208 V rated value 10 hp — at 460/480 V rated value 10 hp — at 460/480 V rated value 10 hp — at 460/480 V rated value 20 hp Short-circuit protection product function short circuit protection design of the short-circuit current (q) at 400 V according to EC 60947-4-1 rated value 100 000 A Installation/mounting/dimensions mounting position fastening method screw and snap-on mounting to two 35 mm DIN rails height 274 mm width 55 mm depth 150 mm required spacing of or grounded parts — forwards — backwards — upwards — 50 mm — at the side — 10 mm — ownwards — 10 mm — at the side — 10 mm — ownwards — 10 mm — at the side — 10 mm — at the side — 10 mm — ownwards — 10 mm — ownwards — 10 mm — at the side — 10 mm — ownwards — 10 mm — ow	Protective and monitoring functions	
design of the overload release response value current of instantaneous short-circuit trip unit UICSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 800 V rated value • at 800 V rated value • at 200 V rated value • at 220 V rated value • of or 3-phase AC motor — at 200/280 V rated value • at 220 V rated value • at 220 V rated value • at 220/230 V rated value • at 460/480 V rated value		CLASS 10
response value current of instantaneous short-circuit trip unit ULCSA ratings If UII-load current (FLA) for 3-phase AC motor • at 480 V rated value 32 A • at 500 V rated value 32 A yielded mechanical performance [hp] • for single-phase AC motor — at 1101/20 V rated value 5 hp • at 220 V rated value 5 hp • for 3-phase AC motor — at 2200/280 V rated value 10 hp — at 2200/280 V rated value 20 hp — at 2200/280 V rated value 10 hp — at 460/480 V rated value 20 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit current (q) • at 400 V according to IEC 60947-4-1 rated value 100 000 A Installation/mounting/dimensions mounting position vertical, horizontal fastening method screw and snap-on mounting to two 35 mm DIN rails height 274 mm width 55 mm depth 150 mm required spacing • for grounded parts — forwards 32 mm — backwards 0 mm — at the side 10 mm • for live parts — lowards 32 mm — backwards 0 mm • for live parts — lowards 32 mm — backwards 0 mm • for live parts — lowards 50 mm — at the side 10 mm • for live parts — downwards 50 mm — at the side 10 mm • for live parts — downwards 50 mm — at the side 10 mm • for live parts — the side 10 mm — at the side 10 mm — owards 50 mm — at the side 10 mm — the side 10 mm — at the side 10 mm — the side 10 m	•	
ULICSA ratings full-load current (FLA) for 3-phase AC motor		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value 32 A • at 800 V rated value 32 A yiolded mechanical performance [hp] • for single-phase AC motor — at 110 / 120 V rated value 2 hp — at 230 V rated value 5 hp • for 3-phase AC motor — at 200 / 2008 V rated value 10 hp — at 200 / 2008 V rated value 20 hp Short-circuit protection product function short circuit protection 4 yes design of the short-circuit trip magnetic conditional short-circuit trip magnetic conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value 100 000 A Installation/ mounting/ dimensions mounting position 274 mm width 55 mm depth 150 mm required spacing • for grounded parts — forwards 32 mm — backwards 0 mm — at the side 10 mm converses 32 mm — downwards 10 mm • for live parts — at the side 10 mm — converses 50 mm — at the side 10 mm — for main current circuit screenstine — for	· · · · · · · · · · · · · · · · · · ·	
• at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • for single-phase AC motor - at 110/120 V rated value • for 3-phase AC motor - at 200/208 V rated value • for 3-phase AC motor - at 200/208 V rated value • for 3-phase AC motor - at 200/208 V rated value • 10 hp - at 220/230 V rated value • 10 hp - at 480/480 V rated value • 20 hp Short-circuit protection product function short circuit protection design of the short-circuit current (Iq) • at 400 V according to EC 60947-4-1 rated value 100 000 A Installation/ mounting/ dimensions mounting position vertical, horizontal fastening method height 274 mm width 55 mm depth 150 mm required spacing • for grounded parts - forwards - backwards - om - at the side - downwards 10 mm - downwards 10 mm - for live parts - forwards - backwards - omm - at the side - downwards - omm - omm - at the side - downwards - at the side - downwards - omm - omm - at the side - omm - omm - at the side - omm - omm - omm - at the side - omm - omm - at the side - omm		
a ta 600 V rated value yielded mechanical performance [hp] for single-phase AC motor — at 1101/20 V rated value — at 230 V rated value — at 200/208 V rated value — at 200/208 V rated value — at 200/208 V rated value — at 300/408 V rated value — besign of the short-circuit protection yes design of the short-circuit true conditional short-circuit true mounting position fastening method fastening method screw and snap-on mounting to two 35 mm DIN rails height depth for grounded parts — forwards — backwards — upwards — at the side — downwards — of live parts — forwards — at the side — downwards — backwards — own — downwards — to remark — forwards — at the side — downwards — backwards — own — own — own — own for ive parts — forwards — backwards — own — own — own — own for ive parts — forwards — own — own — own for ive parts — forwards — own — own — at the side — own form connections/ Ferminals type of electrical connection — for main current circuit screw-type terminals type of electrical connection — for main current circuit screw-type terminals type of electrical connection — for main current circuit screw-type terminals		32 A
violed mechanical performance [hp] • for single-phase AC motor		
		32 M
- at 110/120 V rated value 5 hp - at 230 V rated value 10 hp - at 220/230 V rated value 10 hp - at 220/230 V rated value 20 hp Short-circuit protection		
- at 230 V rated value	•	O.b.
for 3-phase AC motor — at 200/208 V rated value — at 460/480 V rated value Product function short circuit protection general design of the short-circuit trip — ad agnetic conditional short-circuit current (lq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position		
- at 200/208 V rated value 10 hp 10 hp 10 hp 10 hp 12 20 l/230 V rated value 20 hp		5 np
- at 220/230 V rated value	·	40.1
Short-circuit protection product function short circuit protection esign of the short-circuit trip at 400 V according to IEC 60947-4-1 rated value installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting to two 35 mm DIN rails height vertical, horizontal fastening method screw and snap-on mounting to two 35 mm DIN rails height for grounded parts for grounded parts for grounded parts at the side downwards for live parts backwards backwards chorwards chorwards for live parts backwards chorwards		
Short-circuit protection product function short circuit protection design of the short-circuit current (tq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting to two 35 mm DIN rails height vidth 55 mm depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — for live parts — forwards — backwards — backwards — o mm • for live parts — forwards — backwards — o mm - downwards — the side — downwards — to mm - for live parts — forwards — backwards — o mm - downwards — the side — downwards — to mm - for live parts — forwards — at the side — downwards — to mm - for live parts — forwards — backwards — o mm - downwards — the side — the s		
product function short circuit protection design of the short-circuit trip conditional short-circuit current (tq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting to two 35 mm DIN rails height 274 mm width 55 mm depth 150 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — for live parts — forwards — backwards — on mm • for live parts — towards — upwards — backwards — towards — to mm - at the side — downwards — to mm - at the side — downwards — to mm - at the side — downwards — to mm - at the side — downwards — to mm - at the side — downwards — to mm - at the side — to mm - to m		
design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting to two 35 mm DIN rails height 274 mm width 55 mm depth 150 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — for vards • for live parts — forwards • of me • for live parts — downwards — upwards — backwards — upwards • for live parts — forwards — at the side — downwards — to mm • for live sparts — forwards — at the side — downwards — to mm • for live parts — forwards — upwards — backwards — upwards — to mm • for live parts — forwards — the side — downwards — the side — downwards — the side — to mm • for mm • for main current circuit screw-type terminals type of electrical connection • for main current circuit screw-type terminals		20 hp
conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height 274 mm width 55 mm depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — upwards — for live parts — forwards — upwards — backwards — o mm • for live parts — forwards — upwards — at the side — downwards — to mm — to mm • for live parts — forwards — upwards — at the side — downwards — to mm — to mm • for live parts — forwards — upwards — to mm — downwards — upwards — to mm	Short-circuit protection	20 np
■ at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting to two 35 mm DIN rails height 274 mm width depth 150 mm required spacing • for grounded parts — forwards — backwards — oupwards — at the side — downwards — for live parts — forwards — backwards — or live parts — forwards — oupwards — at the side — downwards — backwards — backwards — backwards — to mm • for live parts — forwards — backwards — backwards — backwards — to mm — at the side — backwards — backwards — backwards — backwards — to mm — at the side — to mm — to min current circuit	Short-circuit protection	
Installation/ mounting/ dimensions vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails height 274 mm width 55 mm depth 150 mm required spacing • for grounded parts - forwards 32 mm - backwards 0 mm - at the side 10 mm - forwards 32 mm - downwards 10 mm - forwards 32 mm - downwards 10 mm downwards 10 mm - downwards 10 mm - downwards 10 mm downwards 10 mm - downwards 10 mm - downwards 10 mm downwards 10 mm - downwards 10 mm - downwards 10 mm downwards 10 mm downwards 10 mm downwards 10 mm downw	Short-circuit protection product function short circuit protection design of the short-circuit trip	Yes
mounting position fastening method screw and snap-on mounting to two 35 mm DIN rails height 274 mm width 55 mm depth 150 mm required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — obackwards — obackwards — 10 mm • for live parts — forwards — backwards — backwards — backwards — to mm • for live parts — forwards — upwards — backwards — backwards — to mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq)	Yes
fastening method screw and snap-on mounting to two 35 mm DIN rails height 274 mm width 55 mm depth 150 mm required spacing • for grounded parts — forwards 32 mm — backwards 0 mm — upwards 50 mm — at the side 10 mm — odownwards 10 mm • for live parts 32 mm — backwards 0 mm — backwards 0 mm — upwards 50 mm — downwards 10 mm — at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq)	Yes magnetic
height 274 mm width 55 mm depth 150 mm required spacing • for grounded parts - forwards 32 mm - backwards 0 mm - upwards 50 mm - at the side 10 mm - downwards 10 mm • for live parts - - forwards 32 mm - backwards 0 mm - upwards 50 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value	Yes magnetic
width 55 mm depth 150 mm required spacing	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions	Yes magnetic 100 000 A
depth 150 mm required spacing	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position	Yes magnetic 100 000 A vertical, horizontal
required spacing	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails
 for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards — upwards — downwards — downwards — downwards — at the side — for mm — at the side Connections/ Terminals type of electrical connection ● for main current circuit screw-type terminals 	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm
forwards 32 mm backwards 0 mm upwards 50 mm at the side 10 mm downwards 10 mm for live parts forwards 32 mm backwards 0 mm backwards 0 mm upwards 50 mm downwards 10 mm at the side 10 mm at the side 10 mm Connections/ Terminals type of electrical connection for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm
backwards 0 mm upwards 50 mm at the side 10 mm downwards 10 mm • for live parts forwards 32 mm backwards 0 mm upwards 50 mm upwards 50 mm downwards 10 mm at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm
- upwards 50 mm - at the side 10 mm - downwards 10 mm • for live parts - forwards 32 mm - backwards 0 mm - upwards 50 mm - upwards 50 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm
- at the side 10 mm - downwards 10 mm • for live parts - forwards 32 mm - backwards 0 mm - upwards 50 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm
- at the side 10 mm - downwards 10 mm • for live parts - forwards 32 mm - backwards 0 mm - upwards 50 mm - downwards 10 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm
- downwards • for live parts - forwards - backwards - upwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit 10 mm 10 mm 50 mm 10 mm 50 mm 10 mm	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm
• for live parts	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 32 mm 0 mm 50 mm
forwards 32 mm backwards 0 mm upwards 50 mm downwards 10 mm at the side 10 mm Connections/ Terminals type of electrical connection ◆ for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 32 mm 0 mm 50 mm 10 mm
 — backwards — upwards — downwards — at the side 10 mm Connections/ Terminals type of electrical connection ◆ for main current circuit o mm screw-type terminals 	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 32 mm 0 mm 50 mm 10 mm
 — upwards — downwards — at the side 10 mm Connections/ Terminals type of electrical connection for main current circuit screw-type terminals 	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 0 mm 50 mm 10 mm 10 mm
— downwards 10 mm — at the side 10 mm Connections/ Terminals type of electrical connection	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 0 mm 50 mm 10 mm 10 mm 10 mm
— at the side 10 mm Connections/ Terminals type of electrical connection ● for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — backwards	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 32 mm 0 mm 10 mm 10 mm 10 mm 10 mm
Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — backwards — torwards — backwards — upwards — backwards — upwards	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 32 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 50 mm
type of electrical connection ◆ for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards — downwards • for live parts — forwards — backwards — upwards — downwards — downwards	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 32 mm 0 mm 50 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
• for main current circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — upwards — downwards — downwards — downwards — at the side — downwards — backwards — upwards — backwards — upwards — backwards — at the side — downwards — at the side	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 32 mm 0 mm 50 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
	Short-circuit protection product function short circuit protection design of the short-circuit trip conditional short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — at the side — downwards — backwards — upwards — backwards — upwards — backwards — upwards — at the side Connections/ Terminals	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 32 mm 0 mm 50 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
• for auxiliary and control circuit screw-type terminals	Short-circuit protection product function short circuit protection design of the short-circuit current (Iq)	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 32 mm 0 mm 50 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
	Short-circuit protection product function short circuit protection design of the short-circuit current (Iq) • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — a the side — downwards — backwards — upwards — backwards — at the side — downwards — backwards — upwards — backwards — upwards — backwards — upwards — the side Connections/ Terminals type of electrical connection • for main current circuit	Yes magnetic 100 000 A vertical, horizontal screw and snap-on mounting to two 35 mm DIN rails 274 mm 55 mm 150 mm 32 mm 0 mm 50 mm 10 mm 10 mm 10 mm 50 mm 10 mm 50 mm 50 mm

Safety related data					
touch protection on the front according to IEC 60529	finge	finger-safe, for vertical contact from the front			
Communication/ Protocol					
protocol is supported					
 PROFINET IO protocol 	No	No			
PROFIsafe protocol	No	No			
protocol is supported AS-Interface protocol	No	No			
Certificates/ approvals					
Conoral Braduct Approval		For use in hazard-	Declaration of Conformity		

Confirmation

General Product Approval







ous locations



Declaration of Conformity



Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certific-









Marine / Shipping

other Railway **Dangerous Good**







Confirmation

Vibration and Shock

Transport Information

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=3RA2130-4EA35-0NB3

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2130-4EA35-0NB3

 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ \overline{FAQs}, ...)$

https://support.industry.siemens.com/cs/ww/en/ps/3RA2130-4EA35-0NI

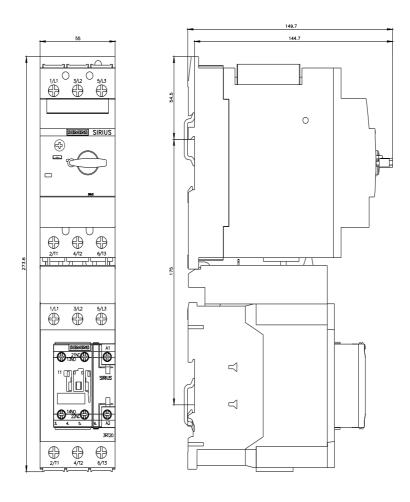
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

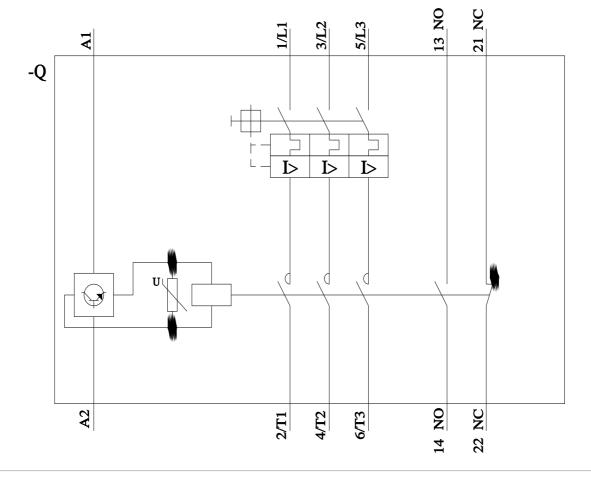
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2130-4EA35-0NB3&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2130-4EA35-0NB3/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2130-4EA35-0NB3&objecttype=14&gridview=view1





last modified: 4/18/2023 🖸

