3RA2130-4PA35-0NB3

Data sheet



Load feeder fuseless, Direct-on-line starting 400 V AC, Size S2 28 ... 36 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 	3RV2031-4PA10	
 of the supplied link module 	3RA2931-1AA00	
General technical data		
size of the circuit-breaker	S2	
size of load feeder	S2	
power loss [W] for rated value of the current		
 at AC in hot operating state per pole 	8.9 W	
without load current share typical	2 W	
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	28 36 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
operating frequency rated value	00 00 TIZ
at AC-3 at 400 V rated value	36 A
at AC-3 at 400 V rated value at AC-3e at 400 V rated value	36 A
operating power	W A
• at AC-3	
— at 400 V rated value	18 500 W
— at 400 v rated value ● at AC-3e	10 300 17
— at 400 V rated value	18 500 kW
Control circuit/ Control	16 300 KVV
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	AC/DC
at 50 Hz rated value	24 V
at 50 Hz rated value at 50 Hz rated value	20 33 V
at 60 Hz rated value at 60 Hz rated value	24 V
	24 V 20 33 V
at 60 Hz rated value	20 33 V
control supply voltage at DC • rated value	24 V
	24 V 20 33 V
• rated value	
apparent holding power of magnet coil at AC	2 VA
• at 50 Hz	2 VA
• at 60 Hz	2 VA
inductive power factor with the holding power of the coil	1 1 W
holding power of magnet coil at DC	1 W
Auxiliary circuit	Ven
product extension auxiliary switch	Yes
Protective and monitoring functions	CI ACC 40
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	520 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	36 A
at 600 V rated value	36 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 200/208 V rated value	10 hp
— at 220/230 V rated value	10 hp
— at 460/480 V rated value	25 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
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
— upwards	50 mm
— at the side	10 mm
— downwards	10 mm
for live parts	
· · · · · · · · · · · · · · · · · · ·	
— forwards	32 mm
forwardsbackwards	32 mm 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
 for auxiliary and control circuit 	screw-type terminals
Safety related data	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	
_'	
protocol is supported	
protocol is supported • PROFINET IO protocol	No
•	No No
PROFINET IO protocol	
PROFINET IO protocol PROFIsafe protocol	No

Confirmation











Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>









Marine / Shipping





Confirmation

other

Vibration and Shock

Railway

Transport Information

Dangerous Good

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=3RA2130-4PA35-0NB3

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2130-4PA35-0NB3

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2130-4PA35

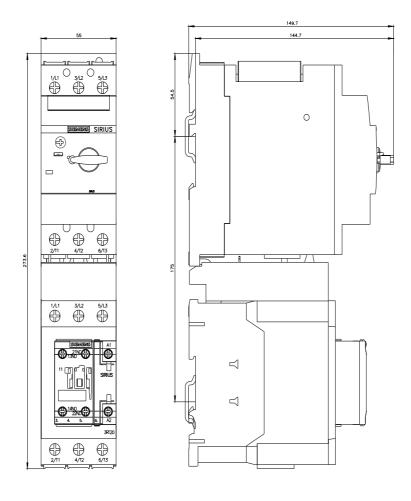
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

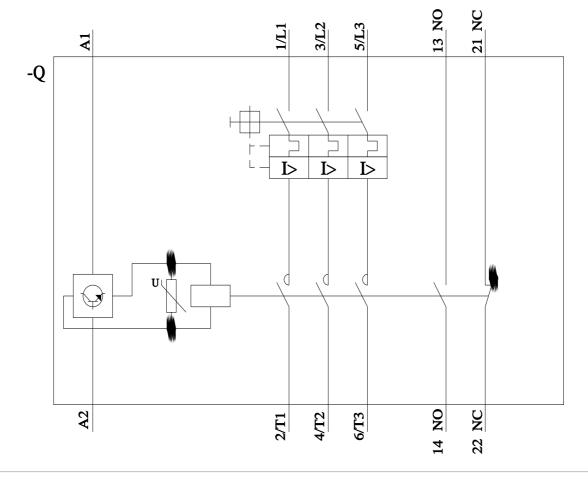
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2130-4PA35-0NB3&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2130-4PA35-0NB3/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2130-4PA35-0NB3&objecttype=14&gridview=view1





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