SIEMENS

Data sheet 3RA2130-4JA37-0NB3

Load feeder fuseless, Direct-on-line starting 400 V AC, Size S2 54 ... 65 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 DIN-rail or screw mounting
product type designation	3RA21
manufacturer's article number	
● of the supplied contactor	3RT2037-1NB30
● of the supplied circuit-breakers	3RV2031-4JA10
● 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	12.5 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 coordination	2
reference code according to IEC 81346-2:2019	Q
Substance Prohibitance (Date)	03/01/2017
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Melamine - 108-78-1
Weight	2.407 kg
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	54 ... 65 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	65 A
● at AC-3e at 400 V rated value	65 A
operating power	
● at AC-3	
— at 400 V rated value	30 000 W
● at AC-3e	
— at 400 V rated value	30 000 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
● at 50 Hz rated value	20 ... 33 V
● at 60 Hz rated value	20 ... 33 V
control supply voltage at DC rated value	20 ... 33 V
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
holding power of magnet coil at DC	1 W
Auxiliary circuit	
product extension auxiliary switch	Yes
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal (bimetallic)
response value current of instantaneous short-circuit trip unit	845 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
● at 480 V rated value	65 A
● at 600 V rated value	52 A
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
— 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
● for auxiliary and control circuit	screw-type terminals

Safety related data	
product function suitable for safety function	Yes
Electrical Safety	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	
protocol is supported	
● PROFINET IO protocol	No
● PROFIsafe protocol	No
protocol is supported AS-Interface protocol	No

Approvals Certificates

General Product Approval				For use in hazard-ous locations	Test Certificates
CE EG-Konf.	UKCA	UL UL	EAC	Ex ATEX	Special Test Certific-ate

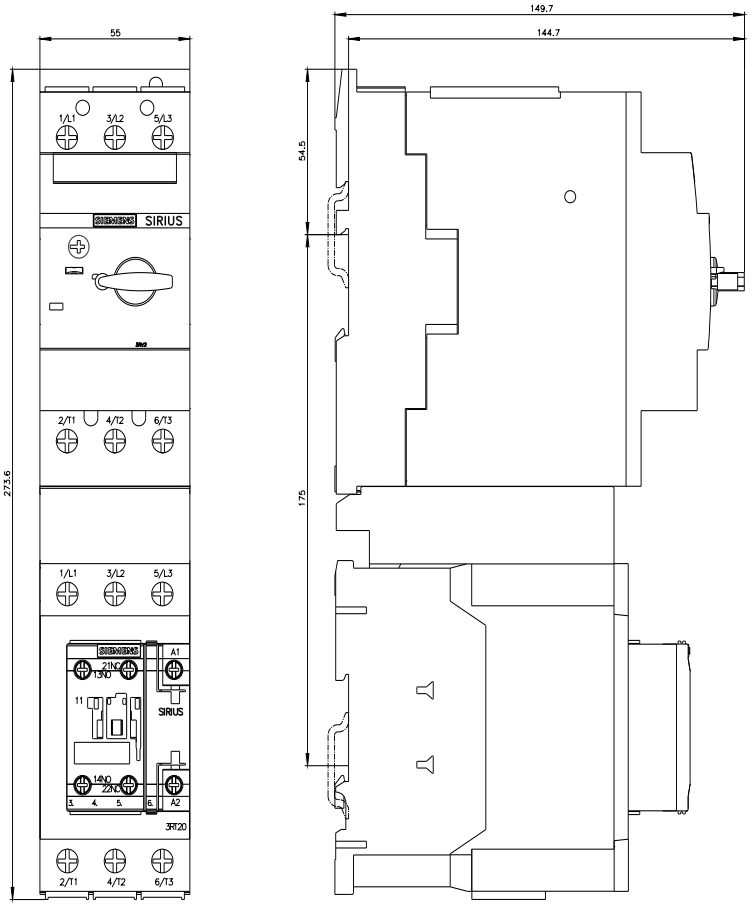
Test Certificates	Maritime application				
Type Test Certific-ates/Test Report	ABS	BUREAU VERITAS	DNV DNV	Lloyd's Register LRS	PRS

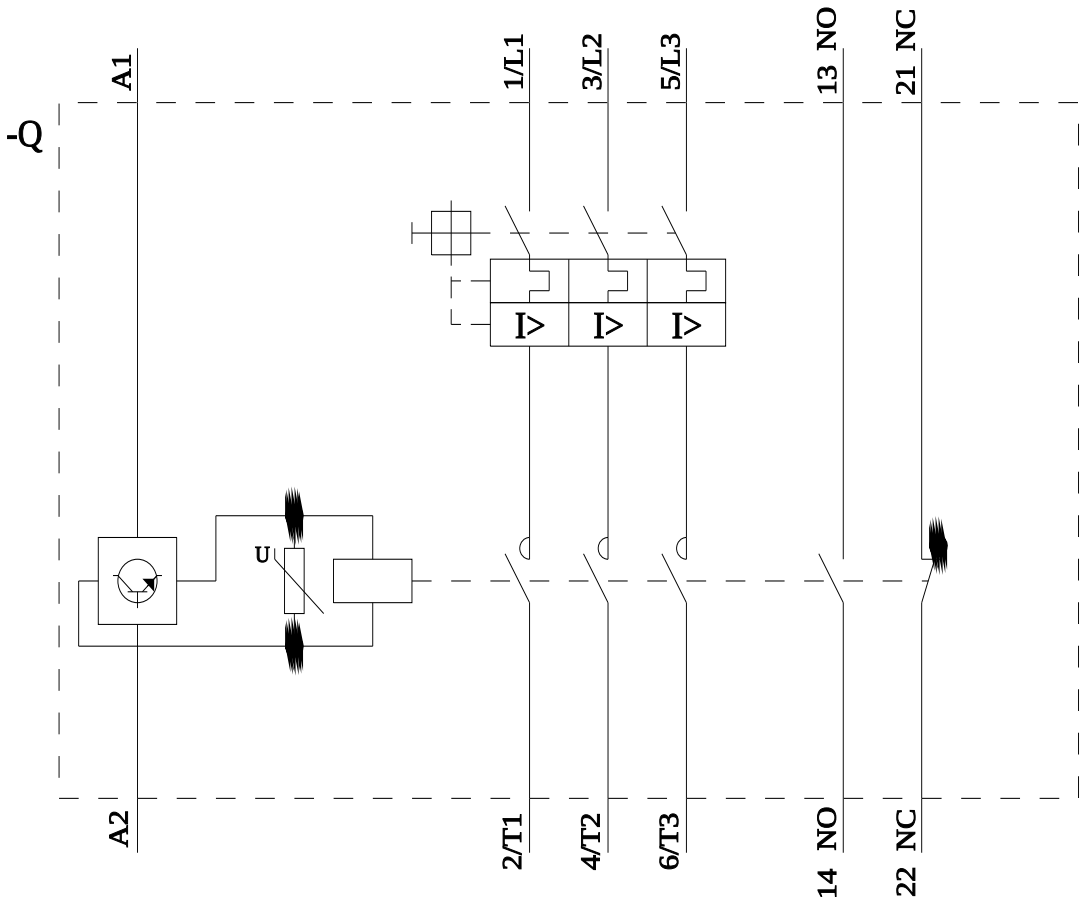
Maritime application		other		Railway	Dangerous goods
RINA	RMRS	产品合格 QC PASS	Confirmation	Special Test Certific-ate	Transport Information

Environment
Environmental Con-firmations

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3RA2130-4JA37-0NB3
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2130-4JA37-0NB3
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RA2130-4JA37-0NB3
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2130-4JA37-0NB3&lang=en
Characteristic: Tripping characteristics, I²t, Let-through current
https://support.industry.siemens.com/cs/ww/en/ps/3RA2130-4JA37-0NB3/char
Further characteristics (e.g. electrical endurance, switching frequency)
https://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2130-4JA37-0NB3&objecttype=14&gridview=view1





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