



FUSELESS LOAD FEEDER REVERSING OPERATION, AC 400V, S0 3.5 ... 5A, AC 110/120V 50/60HZ SCREW TERMINAL FOR RAIL MOUNTING, W. MOUNTING RAIL ADAPTER TYPE OF ASSIGNMENT 2, IQ = 150KA (ALSO FULFILLS TYPE OF ASSIGNMENT 1) 1NO+1NC (CONTACTOR)

product brand name	SIRIUS
product designation	Reversing starter
design of the product	for standard rail or screw mounting
manufacturer's article number	- of the supplied contactor 3RT2024-1AK60 - of the supplied circuit-breakers 3RV2011-1FA10 - of the supplied RH assembly kit 3RA2923-1BB1 - of the supplied link module 3RA2921-1AA00
General technical data	
size of the circuit-breaker	S00
size of load feeder	S0
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
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
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Weight	6.415 kg
Ambient conditions	
ambient temperature	- during operation -20 ... +60 °C - during storage -50 ... +80 °C - during transport -50 ... +80 °C
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	3.5 ... 5 A
operating voltage	- rated value 690 V - at AC-3 rated value maximum 690 V
operating frequency rated value	50 ... 60 Hz
operational current at AC-3 at 400 V rated value	3.6 A
operating power at AC-3	at 400 V rated value 1 500 W
Control circuit/ Control	
control supply voltage at AC	at 50 Hz rated value 110 V

• at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value	88 ... 121 V 120 V 96 ... 132 V				
apparent holding power of magnet coil at AC	8.5 VA				
Protective and monitoring functions					
trip class	CLASS 10				
design of the overload release	thermal (bimetallic)				
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor • at 480 V rated value	4.8 A				
yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value	1 hp 1 hp 3 hp 3 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	150 000 A				
Installation/ mounting/ dimensions					
mounting position	vertical				
fastening method	On adapter for screw and snap-on mounting on 35 mm DIN rail				
height	265 mm				
width	90 mm				
depth	120 mm				
required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — downwards — at the side	32 mm 0 mm 50 mm 10 mm 10 mm 32 mm 0 mm 50 mm 10 mm 10 mm				
Connections/ Terminals					
type of electrical connection for main current circuit	screw-type terminals				
Safety related data					
proportion of dangerous failures with high demand rate according to SN 31920	73 %				
B10 value with high demand rate according to SN 31920	1 000 000				
Approvals Certificates					
General Product Approval	For use in hazard-ous locations	Test Certificates			
 EG-Konf.		 UL		 ATEX	Type Test Certificates/Test Report
Test Certificates	Maritime application				

[Special Test Certificate](#)



Maritime application	other	Railway	Environment
		Confirmation	Special Test Certificate
			Environmental Confirmations

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=3RA2220-1FB24-0AK6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2220-1FB24-0AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-1FB24-0AK6>

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

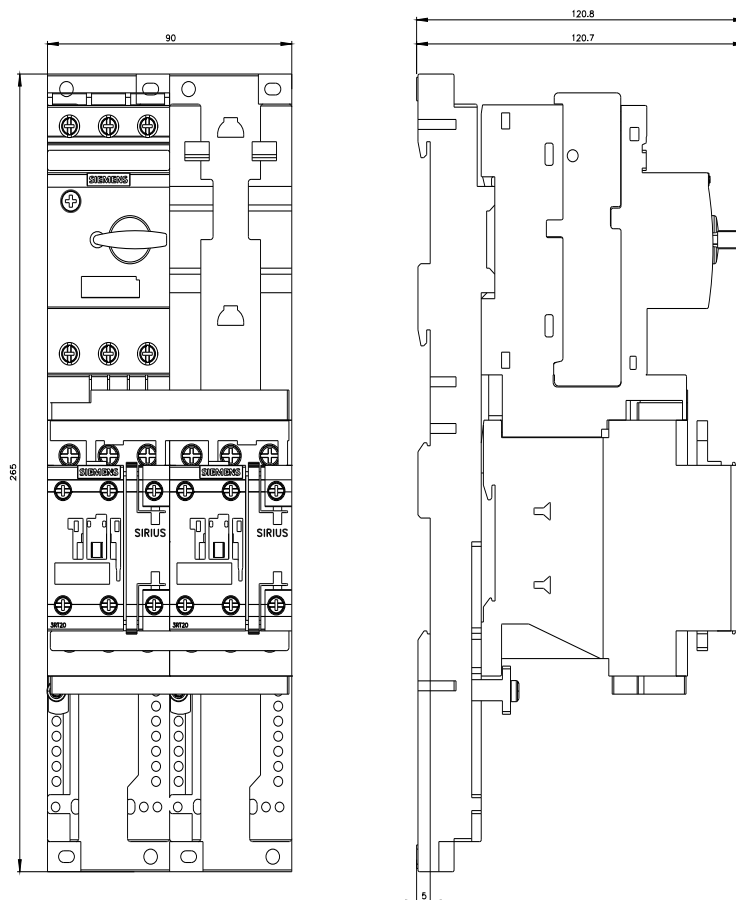
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2220-1FB24-0AK6&lang=en

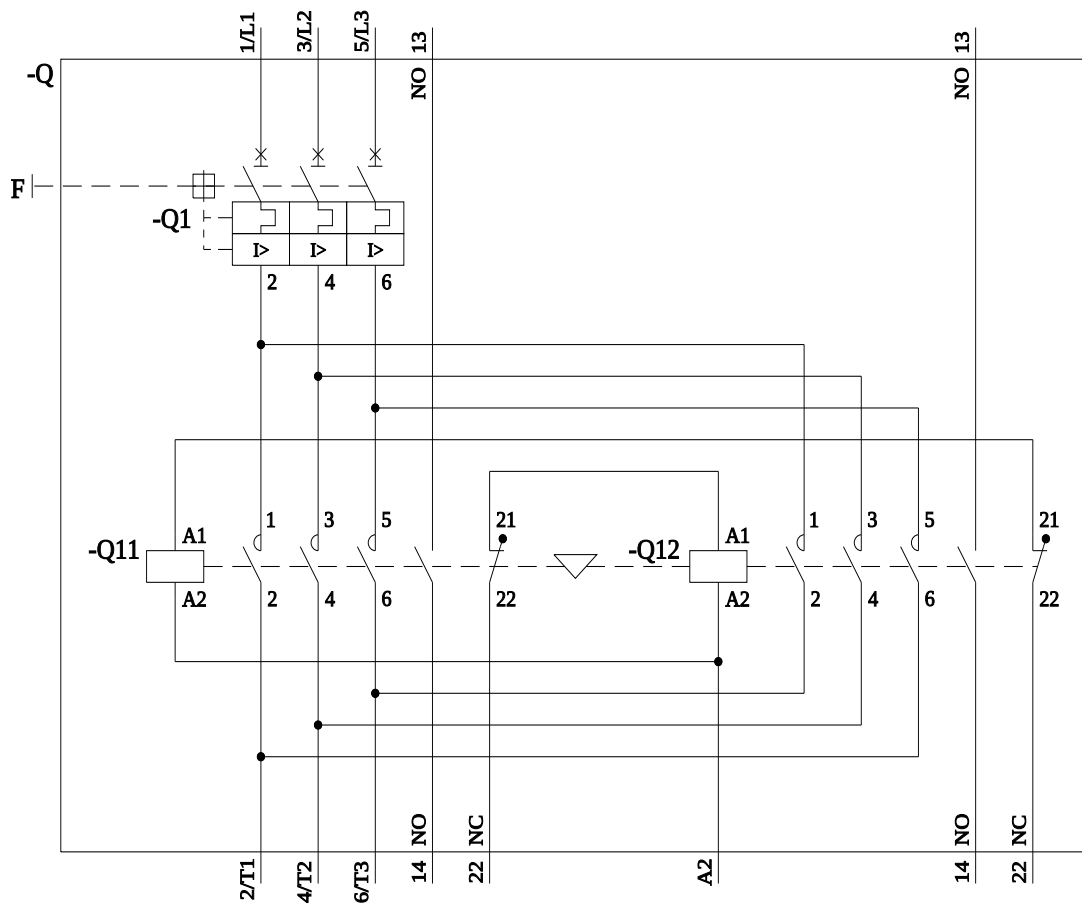
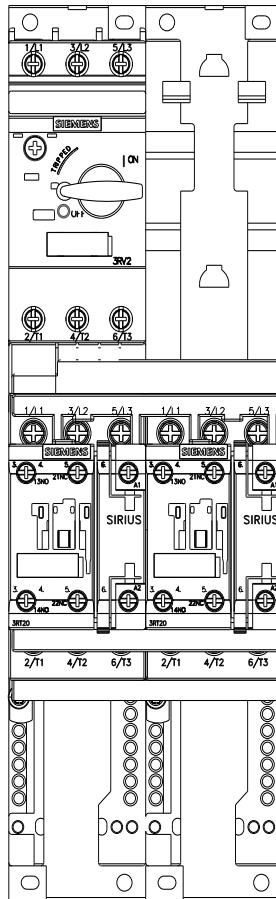
Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-1FB24-0AK6/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2220-1FB24-0AK6&objecttype=14&gridview=view1>





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