












FUSELESS LOAD FEEDER REVERSING OPERATION, AC 400V, S0 27...32A, AC 110/120V 50/60HZ SCREW TERMINAL FOR BUSBAR SYSTEMS 60MM TYPE OF ASSIGNMENT 2, IQ = 150KA (ALSO TYPE OF ASSIGNMENT 1) 1NO+1NC (CONTACTOR)

product brand name	SIRIUS
product designation	Reversing starter
design of the product	for 60 mm busbars
manufacturer's article number	
• of the supplied contactor	<a href="#">3RT2027-1AK60</a>
• of the supplied circuit-breakers	<a href="#">3RV2021-4EA10</a>
• of the supplied link module	<a href="#">3RA2921-1AA00</a>
<b>General technical data</b>	
size of the circuit-breaker	S0
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 assignment	2
Substance Prohibitance (Date)	05/01/2012
<b>Ambient conditions</b>	
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C
<b>Main circuit</b>	
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	27 ... 32 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	29 A
operating power at AC-3	
• at 400 V rated value	15 000 W
<b>Control circuit/ Control</b>	
control supply voltage at AC	
• at 50 Hz rated value	110 V
• at 50 Hz rated value	88 ... 121 V
• at 60 Hz rated value	120 V
• at 60 Hz rated value	96 ... 132 V

apparent holding power of magnet coil at AC		9.8 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		14 A	
yielded mechanical performance [hp]			
• for 3-phase AC motor			
— at 220/230 V rated value		10 hp	
— at 460/480 V rated value		20 hp	
— at 575/600 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		150 000 A	
Installation/ mounting/ dimensions			
mounting position		vertical	
fastening method		for snapping onto 60 mm busbar systems	
height		260 mm	
width		90 mm	
depth		155 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	
Safety related data			
B10 value with high demand rate according to SN 31920		1 000 000	
proportion of dangerous failures with high demand rate according to SN 31920		73 %	
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front	
Certificates/ approvals			
General Product Approval		For use in hazard- ous locations	Declaration of Conformity
<div><div><a href="#">Confirmation</a></div><div> UL</div></div> <div></div> <div><div> ATEX</div></div> <div><div> EG-Konf.</div></div> <div></div>			
Test Certificates		Marine / Shipping	
<div><div><a href="#">Type Test Certificates/Test Report</a></div><div><a href="#">Special Test Certificate</a></div></div>		<div><div> ABS</div><div> BUREAU VERITAS</div><div> LRS</div><div> PRS</div></div>	
Marine / Shipping		other	Railway



[Confirmation](#)

[Vibration and Shock](#)

#### 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=3RA2220-4ED27-0AK6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2220-4ED27-0AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-4ED27-0AK6>

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

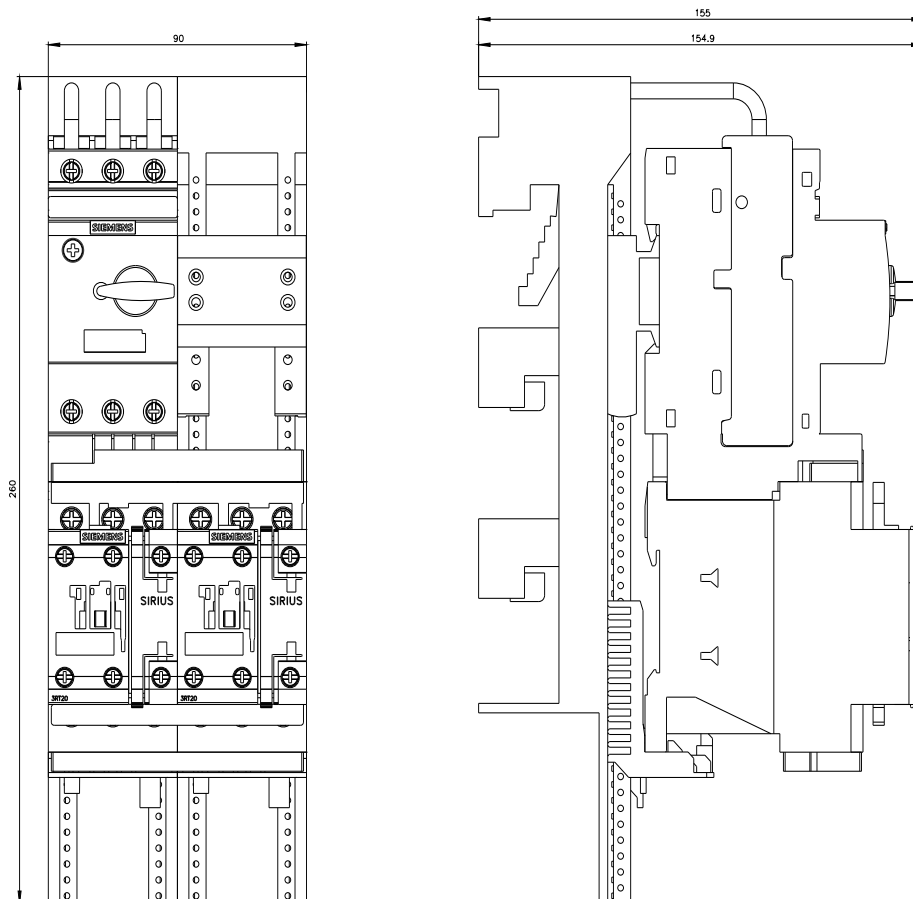
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2220-4ED27-0AK6&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2220-4ED27-0AK6&lang=en)

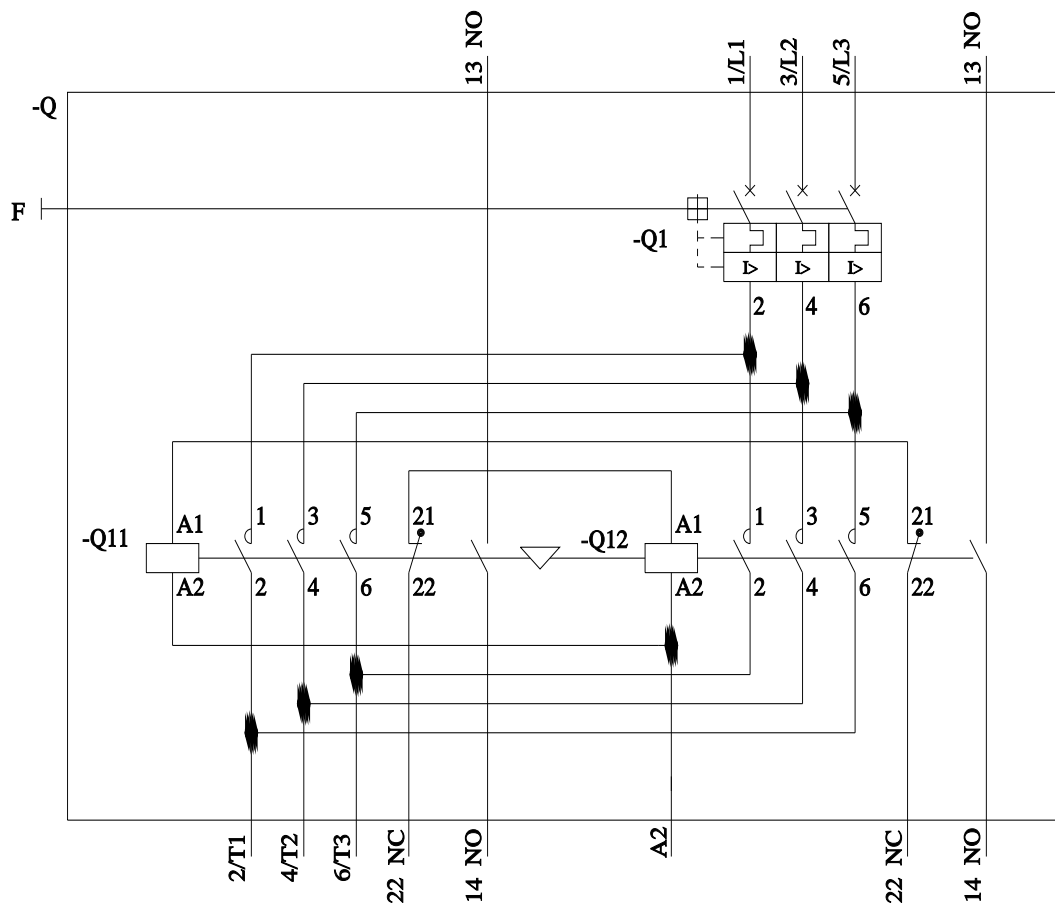
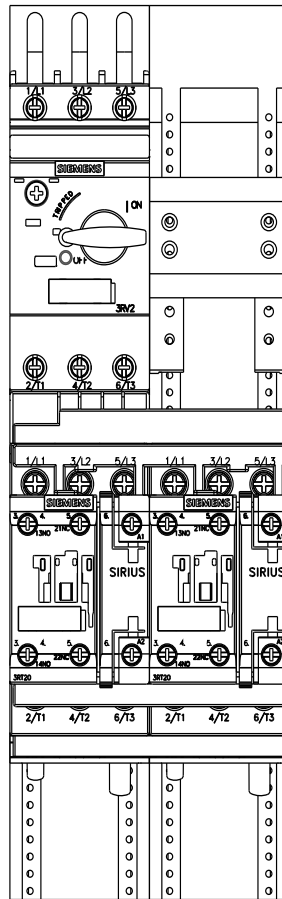
Characteristic: Tripping characteristics, I<sub>t</sub>, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-4ED27-0AK6/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2220-4ED27-0AK6&objecttype=14&gridview=view1>





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