SIEMENS

Data sheet

3RA2120-4AQ27-0AK6

product brand name SIRUS product degisation non-Valued motor status 3RA2 design of the product direct status manufacture's article number att2027_IAK60-0UA0 • of the supplied contactor 3RV2021_IAK01 • of the supplied contactor 3RV2021_IAK02 • of the supplied contactor 3RV2021_IAK01 • of the supplied contactor 3RV2021_IAK01 • of the supplied contactor SRV201_IAK01 • of the supplied contactor supplied internation and and youth Yes Insultation values with degree of pollution 3 at AC rated value B90 V • degree of pollution 3 surge voltage resistance according to IEC 6008-2-27 69 / 11 ms mechanical evects list (operanting voltage) of contactor typical 10 000 000 type of assignment Ambient conditions manufactors attravalue 20		Fuseless motor starter Direct start 600VAC Size NEMA 1 11-16Amp 110/120VAC 50/60HZ screw connection For snapping onto 60 mm busbar systems Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (contactor)
design of the product direct starter manufacturor's article number 3R12027_1AK08_0UA0 • of the supplied cincultor 3R12027_1AK08_0UA0 • of the supplied number 3R12027_1AK08_0UA0 • of the supplied number adapter 3R12027_1AK08_0UA0 • of the supplied number adapter 3R12027_1AK08_0UA0 • of the supplied number adapter SUS1251:AN110 • star of the circulthreaker SO • star of the circulthreaker SO • supplied number adapter Yes insultation validage values SO • star of the circulthreaker SO • supplied restation and value GN V • degree of pollution 3 surge values resistance atcording to IEC 600652-227 Gg / 11 ms mechanical adaptical 2 Anhiert conditions - ambient conditions - ambient conditions - and circult 3 iding circult 3 iding circult 3 iding circult -	product brand name	SIRIUS
manufacturer's article number SRT0027-1AK60-0UA0 • of the supplied circul-breakers SRV0021-4AA10 • of the supplied humobar adapter SUS1251-BAA10 • of the supplied humobar adapter SUS1251-BAT10 • of the supplied humobar SUS1251-BAT10 • supplied humobar SUS1251-BAT10 • of the supplied humobar SUS1251-BAT10 • of the supplied humobar SUS1251-BAT10 • during supplied humobar - 400 *C • during supplied humobar	product designation	non-fused motor starter 3RA2
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	 of the supplied contactor 	<u>3RT2027-1AK60-0UA0</u>
• of the supplied link module 3RA2921-1AA00 General technical data	 of the supplied circuit-breakers 	<u>3RV2021-4AA10</u>
General technical data S0 size of the circuit-breaker S0 size of tack feeder NEMA 1 product extension auxilary switch Yes insulation votage with degree of pollution 3 at AC rated value 660 V degree of pollution 3 surge votage resistance rated value 6 kV shock resistance according to IEC 80068-2:27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 Ambient conditions -20 +60 °C • during storage -50 +80 °C • during transport -55 +80 °C • during transport -50 +80 °C • datoO Y rated value 600 V	 of the supplied busbar adapter 	8US1251-5NT10
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Auxiliary circuit number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 Protective and monitoring functions 1 trip class CLASS 10	apparent holding power of magnet coil at AC	9.4 VA
number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 Protective and monitoring functions 1 trip class CLASS 10	inductive power factor with the holding power of the coil	0.28
number of NO contacts for auxiliary contacts 1 Protective and monitoring functions 1 trip class CLASS 10	Auxiliary circuit	
Protective and monitoring functions trip class CLASS 10	number of NC contacts for auxiliary contacts	1
trip class CLASS 10	number of NO contacts for auxiliary contacts	1
trip class CLASS 10	Protective and monitoring functions	
· · · · · · · · · · · · · · · · · · ·	trip class	CLASS 10
	design of the overload release	thermal (bimetallic)

response value current of instantaneous short-circuit trip unit	208 A
L/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	15.2 A
• at 600 V rated value	12.2 A
yielded mechanical performance [hp]	
for single-phase AC motor	
- at 110/120 V rated value	2 hp
— at 230 V rated value	2 hp
	z np
• for 3-phase AC motor	
- at 200/208 V rated value	3 hp
— at 220/230 V rated value	5 hp
— at 460/480 V rated value	10 hp
— at 575/600 V rated value	10 hp
hort-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 	153 000 A
stallation/ mounting/ dimensions	
mounting position	vertical
fastening method	for snapping onto 60 mm busbar systems
height	260 mm
width	45 mm
depth	155 mm
•	155 mm
required spacing	
for grounded parts	40
— forwards	10 mm
— backwards	0 mm
— upwards	30 mm
— at the side	9 mm
— downwards	10 mm
 for live parts 	
— forwards	10 mm
— backwards	0 mm
— upwards	30 mm
— downwards	10 mm
— at the side	9 mm
onnections/ Terminals	
type of electrical connection for main current circuit	screw-type terminals
type of connectable conductor cross-sections for main contacts	1 10 mm ² , 2x (2.5 6 mm ²)
stranded	· · · · · · · · · · · · · · · · · ·
connectable conductor cross-section for main contacts finely	1 6 mm²
stranded with core end processing	
afety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures with high demand rate	73 %
according to SN 31920	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
ertificates/ approvals	
General Product Approval	For use in hazard- ous locations Declaration of Conformity
Confirmation	
	ATEX CA EG-Konf.

other

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=3RA2120-4AQ27-0AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2120-4AQ27-0AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-4AQ27-0AK6

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

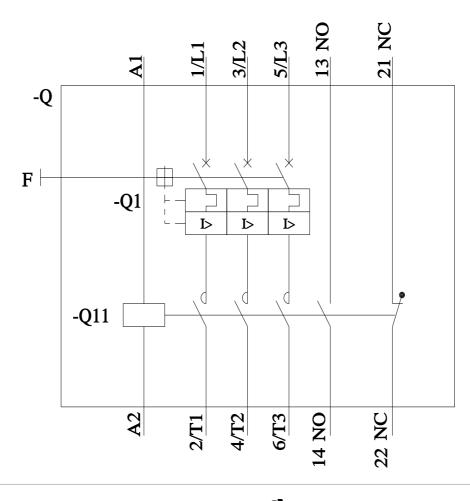
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2120-4AQ27-0AK6&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-4AQ27-0AK6/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-4AQ27-0AK6&objecttype=14&gridview=view1



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