## 3RA2120-1GA24-0AK6





FUSELESS LOAD FEEDER DIRECT START, AC 400V, SZ. S0, 4.5...6.3A, AC 110/120V 50/60HZ SCREW TERMINAL FOR RAIL MOUNTING, TYPE OF ASSIGNMENT 2,IQ = 150KA (ALSO FULFILLS TYPE OF ASSIGNMENT 1) 1NO+1NC (CONTACTOR)

SIRIUS
non-fused load feeders 3RA2
direct starter
3RT2024-1AK60
3RV2021-1GA10
3RA2921-1AA00
S0
S0
Yes
690 V
3
6 kV
6g / 11 ms
10 000 000
2
10/01/2009
Lead - 7439-92-1
0.761 kg
-20 +60 °C
-50 +80 °C
-50 +80 °C
3
electromechanical
45 634
4.5 6.3 A
4.5 0.3 A
690 V
690 V
690 V 690 V
690 V 690 V 50 60 Hz
690 V 690 V 50 60 Hz
690 V 690 V 50 60 Hz 5 A
690 V 690 V 50 60 Hz 5 A

control supply voltage at AC	
• at 50 Hz rated value	110 V
• at 60 Hz rated value	120 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)
response value current of instantaneous short-circuit trip unit	81.9 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	4.8 A
at 600 V rated value	6.3 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.5 hp
• for 3-phase AC motor	
— at 200/208 V rated value	1 hp
— at 220/230 V rated value	1.5 hp
— at 460/480 V rated value	3 hp
— at 575/600 V rated value	5 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
at 690 V according to IEC 60947-4-1 rated value	4 000 A
at 400 V according to IEC 60947-4-1 rated value	153 000 A
at 500 V according to IEC 60947-4-1 rated value	100 000 A
Installation/ mounting/ dimensions	
mounting position	vertical
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	193.1 mm
width	45 mm
depth	97.1 mm
required spacing	
for grounded parts	
— 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
Connections/ Terminals	
type of electrical connection for main current circuit	screw-type terminals
type of connectable conductor cross-sections for main contacts stranded	1 10 mm², 2x (2.5 6 mm²)
connectable conductor cross-section for main contacts finely stranded with core end processing	1 6 mm²
Safety related data	
proportion of dangerous failures with high demand rate according to SN 31920	73 %
	1 000 000
B10 value with high demand rate according to SN 31920	1 000 000
Electrical Safety	1 000 000
	IP20
Electrical Safety	
Electrical Safety protection class IP on the front according to IEC 60529	IP20





Confirmation







**Test Certificates** 

Marine / Shipping

Type Test Certificates/Test Report

**Special Test Certific**ate









Marine / Shipping



Confirmation

other

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

Railway

**Environmental Confirmations** 

**Environment** 

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=3RA2120-1GA24-0AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2120-1GA24-0AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-1GA24-0AK6

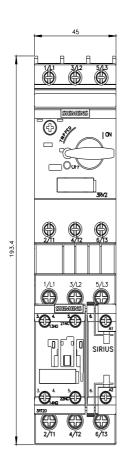
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

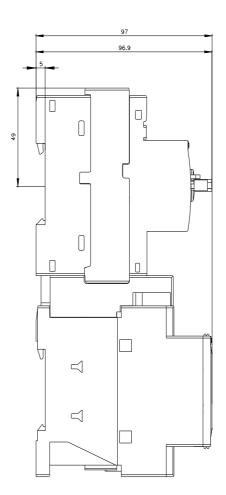
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2120-1GA24-0AK6&lang=en

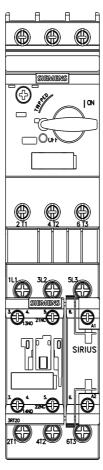
Characteristic: Tripping characteristics, I2t, Let-through current

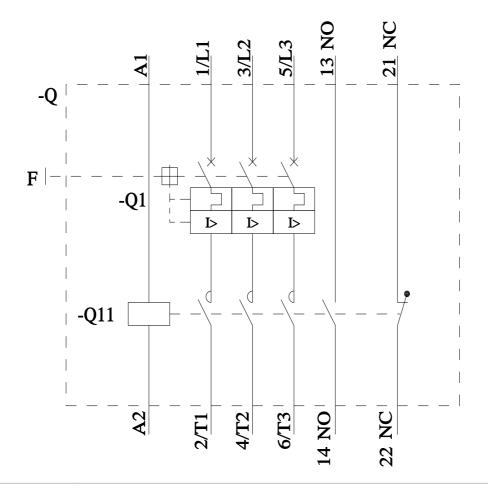
https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-1GA24-0AK6/char

Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-1GA24-0AK6&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-1GA24-0AK6&objecttype=14&gridview=view1</a>









last modified: 3/11/2024 🖸

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