Data sheet

3RA2120-0HA23-0AP6



Fuseless motor starter Direct start 600VAC Size S0 0.55-0.8A 220/240VAC 50/60HZ screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (contactor)

product brand name	SIRIUS		
product designation	non-fused motor starter 3RA2		
design of the product	direct starter		
manufacturer's article number			
 of the supplied contactor 	3RT2023-1AP60		
 of the supplied circuit-breakers 	3RV2011-0HA10		
 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		
degree of pollution	3		
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		
Weight	0.76 kg		
Ambient conditions			
ambient temperature			
 during operation 	-20 +60 °C		
during storage	-50 +80 °C		
during transport	-55 +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	0.55 0.8 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	0.6 A		
operating power at AC-3			
• at 400 V rated value	180 W		
• at 500 V rated value	250 W		
at 690 V rated value	370 W		
Control circuit/ Control			
control supply voltage at AC			
• at 50 Hz rated value	220 V		

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at 50 Hz rated value at 60 Hz rated value	176 242 V		
at 60 Hz rated value	240 V		
at 60 Hz rated value	192 264 V		
apparent holding power of magnet coil at AC	7.2 VA		
inductive power factor with the holding power of the coil	0.28	_	_
Auxiliary circuit			
number of NC contacts for auxiliary contacts	1		
number of NO contacts for auxiliary contacts	1		
Protective and monitoring functions			
trip class	CLASS 10		
design of the overload release	thermal (bimetallic)		
response value current of instantaneous short-circuit trip unit	10.4 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	153 000 A		
Installation/ mounting/ dimensions			
mounting position	vertical		
fastening method	Snap-mounted to DIN rail or so	rew-mounted with additio	nal push-in lug
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 %		
B10 value with high demand rate according to SN 31920	1 000 000		
Electrical Safety			
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		
Approvals Certificates			
General Product Approval		For use in hazard- ous locations	other





Confirmation





Confirmation

Environment

Environmental Con-

Further information

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=3RA2120-0HA23-0AP6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2120-0HA23-0AP6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-0HA23-0AP6

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

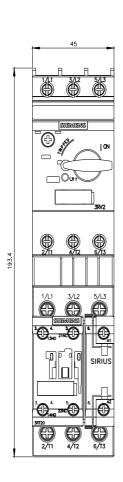
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2120-0HA23-0AP6&lang=en

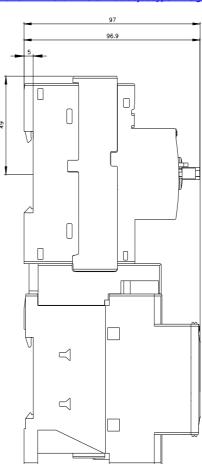
Characteristic: Tripping characteristics, I2t, Let-through current

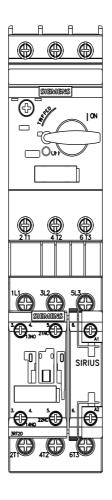
https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-0HA23-0AP6/char

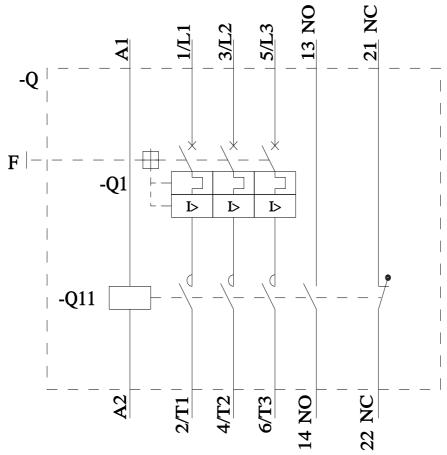
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-0HA23-0AP6&objecttype=14&gridview=view1









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