3RA2120-0GA23-0AP6





Fuseless motor starter Direct start 600VAC Size S0 0.45-0.63A 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 	3RV2011-0GA10			
 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 (switching cycles) of contactor typical	10 000 000			
type of assignment	2			
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	0.45 0.63 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	180 W			
at 690 V rated value	250 W			
Control circuit/ Control				

General Product Approval	ous locations		Conformity	other	
	For use in ha	zard-	Declaration of		
Certificates/ approvals	0 00020	mige	oule, for vertical conta	ot non-the hone	
touch protection on the front according to IEC 60529 fings			finger-safe, for vertical contact from the front		
protection class IP on the front according			IP20		
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		
Safety related data	CN 24000	1.000	000		
finely stranded with core end processing					
connectable conductor cross-section for main	contacts		1 6 mm²		
at AWG cables for main contacts			2x (16 12), 2x (14 8)		
for main contacts stranded	-	1 1	1 10 mm², 2x (2.5 6 mm²)		
type of connectable conductor cross-sect		30.07			
type of electrical connection for main current	circuit	screv	y-type terminals		
Connections/ Terminals					
— at the side		9 mm			
— downwards		10 mm			
— upwards		30 m	n		
— backwards		0 mm			
— forwards		10 m	n		
• for live parts					
— downwards		10 mm			
— at the side		9 mm			
— upwards		30 m			
— backwards		0 mm			
— forwards		10 m	n		
• for grounded parts					
required spacing		51.11			
depth		97.1			
width		45 m			
height		193.1		The second of the second of the past of the second of the	
fastening method				screw-mounted with additional push-in lug	
mounting position		vertic	al		
Installation/ mounting/ dimensions					
• at 400 V according to IEC 60947-4-1 ra	ated value	153 0	00 A		
conditional short-circuit current (Iq)		Ū			
design of the short-circuit trip		magn	magnetic		
product function short circuit protection		Yes			
Short-circuit protection					
response value current of instantaneous shor unit	t-oncuit trip	8.19	1		
design of the overload release	t oirquit trip		al (bimetallic)		
trip class		CLASS 10			
Protective and monitoring functions		6.	20.40		
number of NO contacts for auxiliary conta	cts	1			
number of NC contacts for auxiliary conta		1			
Auxiliary circuit					
coil		0.20			
inductive power factor with the holding po		0.28	, (
apparent holding power of magnet coil at	AC	7.2 V			
at 60 Hz rated value at 60 Hz rated value			. 264 V		
at 50 Hz rated valueat 60 Hz rated value		240 \	. 242 V		
at 50 Hz rated value		220 \			
a at 50 Hz rated value		220 \	1		





Confirmation

Further information

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=3RA2120-0GA23-0AP6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2120-0GA23-0AP6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-0GA23-0AP6

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2120-0GA23-0AP6&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2120-0GA23-0AP6/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2120-0GA23-0AP6&objecttype=14&gridview=view1

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