SIEMENS

Data sheet

3RA2125-0HA23-0AK6



Fuseless motor starter Direct start 600VAC Size S0 0.55-0.8A 110/120VAC 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 (MSP) 1NO+1NC (contactor)

product orgination SinU35 product disignation non-fused motor starter 3RA2 design of the product direct starter manufacturer's article number sRt2023-1AK60 • of the supplied circuit-breakers SRV2011-0HA15 • of the supplied ink module SRV2021-1AA00 Ceneral technical data S00 size of the circuit-breaker S00 size of the dircuit-breaker S00 product detection auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated 680 V value 680 V degree of pollution 3 supplied link (switching cycles) of contactor 10 000 000 type of assignment 2 Anbient conditions -20 +60 °C • during operation -50 +80 °C • during poration -50 +80 °C • during storage -50 +80 °C • during operation -50 +80 °C • during operation -50 +80 °C • adjustable current response value current of the current calcul 0.55 0.8 A current dependent overload release 690 V • at AC-3 rated value 690 V • at 400 V rated value 50 60 Hz operating power at AC-3 400 V rated value <	nreduct brand name				
design of the product direct starter manufacturer's article number SRT2023-1AK60 • of the supplied circuit-breakers SRV2011-0HA15 • of the supplied circuit-breaker SRV2011-0HA15 • of the supplied circuit-breaker SRV2011-0HA15 • of the supplied circuit-breaker S00 size of the circuit-breaker S00 size of the circuit-breaker S0 size of the circuit-breaker S0 neutation voltage with degree of pollution 3 at AC rated 600 V value 600 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 10 000 000 typical 10 000 000 typical 2 Ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C Main circuit 3 number of poles for main current circuit 3 electromechanical 0.55 0.8 A current capendent overload release 0.55 0.8 A operating value 600 V • at do V rated value 600 V • at do V rated value<	product brand name	SIRIUS			
manufacturer's article number 3RT2023-1AK60 • of the supplied contactor 3RT2023-1AK60 • of the supplied cinitator 3RV2011-0rHA15 • of the supplied link module 3RA2921-1AA00 General technical data 3R0 size of load feeder S00 product extension auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated value 680 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 10 000 000 typical 10 uono 000 type of assignment 2 Ambient temperature - • during operation -20 +60 °C • during transport -55 +80 °C Main circuit 3 number of poles for main current circuit 3 degree of value 690 V • at AC-3 rated value 690 V • at AC-3 rated value 690 V • at 400 V rated value 0.6 A operating requency rated value 50 60 Hz					
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 at 400 V rated value at 500 V rated value at 690 V rated value 370 W 	operational current at AC-3 at 400 V rated value	0.6 A			
 at 500 V rated value at 690 V rated value 370 W 	operating power at AC-3				
• at 690 V rated value 370 W	• at 400 V rated value	180 W			
	• at 500 V rated value	250 W			
Control circuit/ Control	• at 690 V rated value	370 W			
	Control circuit/ Control				
control supply voltage at AC	control supply voltage at AC				

		4403	,		
• at 50 Hz rated value		110 \			
• at 50 Hz rated value			121 V		
• at 60 Hz rated value		120 V			
at 60 Hz rated value		96 132 V			
apparent holding power of magnet coil at		7.2 VA			
inductive power factor with the holding po coil	ower of the	0.28			
Auxiliary circuit					
number of NC contacts for auxiliary conta	cts	2			
number of NO contacts for auxiliary conta	cts	2			
Protective and monitoring functions					
trip class		CLAS	S 10		
design of the overload release		therm	al (bimetallic)		
response value current of instantaneous shou unit	t-circuit trip	10.4	4		
Short-circuit protection					
product function short circuit protection		Yes			
design of the short-circuit trip		magr	etic		
conditional short-circuit current (lq)		Ŭ			
• at 400 V according to IEC 60947-4-1 ra	ated value	153 0	00 A		
Installation/ mounting/ dimensions					
mounting position		vertic	al		
fastening method		Snap	-mounted to DIN rail or	r screw-mounted with additional push-in lug	
height		193.1		· · ·	
width		45 m	n		
depth		97.1	nm		
required spacing					
for grounded parts					
— forwards		10 m	n		
— backwards		0 mm	L		
— upwards		30 m	n		
— at the side		9 mm	l		
— downwards		10 m	n		
 for live parts 					
— forwards		10 m	n		
— backwards		0 mm	L		
— upwards		30 m	n		
— downwards		10 mm			
— at the side		9 mm			
Connections/ Terminals					
type of electrical connection for main current	circuit	screv	/-type terminals		
type of connectable conductor cross-sect					
for main contacts stranded		1 1	0 mm², 2x (2.5 6 mr	n²)	
 at AWG cables for main contacts 			6 12), 2x (14 8)		
connectable conductor cross-section for mair finely stranded with core end processing	n contacts	1 6 mm ²			
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 %	73 %		
protection class IP on the front according 60529	to IEC	IP20			
touch protection on the front according to	IEC 60529	finger	-safe, for vertical conta	act from the front	
Certificates/ approvals					
General Product Approval	For use in ha		Declaration of Conformity	other	









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=3RA2125-0HA23-0AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2125-0HA23-0AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2125-0HA23-0AK6

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2125-0HA23-0AK6&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2125-0HA23-0AK6/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2125-0HA23-0AK6&objecttype=14&gridview=view1

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