## **SIEMENS**

Fuseless motor starter Direct start 600VAC Size S0 1.4-2A 24V DC 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 (MSP) 1NO+1NC (contactor)
SIRIUS
non-fused motor starter 3RA2
direct starter
3RT2023-1BB40
3RV2011-1BA15
8US1251-5NT10
3RA2921-1BA00
S00
S0
Yes
690 V
3
6 kV
IP20
IP00
6g / 11 ms
10 000 000
2
3
electromechanical
1.4 2 A
2001/
690 V
690 V
50 60 Hz

Operating current			
• at AC-3			
— at 400 V rated value	1.9 A		
Operating power			
• at AC-3			
— at 400 V rated value	750 W		
— at 500 V rated value	750 W		
— at 690 V rated value	1 100 W		
Control circuit/ Control			
Control supply voltage at DC			
• rated value	24 V		
Holding power of magnet coil at DC	5.9 W		
Auxiliary circuit			
Number of NC contacts for auxiliary contacts	2		
Number of NO contacts for auxiliary contacts	2		
Protective and monitoring functions			
Trip class	CLASS 10		
Design of the overload release	thermal (bimetallic)		
Response value current			
<ul> <li>of instantaneous short-circuit trip unit</li> </ul>	26 A		
UL/CSA ratings			
Full-load current (FLA) for three-phase AC motor			
• at 480 V rated value	1.63 A		
• at 600 V rated value	1.72 A		
Yielded mechanical performance [hp]			
<ul><li>for single-phase AC motor</li></ul>			
— at 230 V rated value	0.13 hp		
• for three-phase AC motor			
— at 460/480 V rated value	0.75 hp		
— at 575/600 V rated value	1 hp		
Short-circuit protection			
Product function Short circuit protection	Yes		
Design of the short-circuit trip	magnetic		
Conditional short-circuit current (Iq)			
• at 400 V acc. to IEC 60947-4-1 rated value	153 000 A		
Installation/ mounting/ dimensions			
Mounting position	vertical		
Mounting type	for snapping onto 60 mm busbar systems		
Height	260 mm		
Width	45 mm		

Depth	165 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)			
<ul> <li>at AWG conductors for main contacts</li> </ul>	2x (16 12), 2x (14 8)			
Connectable conductor cross-section for main				
contacts				
<ul> <li>finely stranded with core end processing</li> </ul>	1 6 mm²			

Safety related data	
B10 value	
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	1 000 000
Proportion of dangerous failures	
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	73 %

$\sim$							
Ce	erfifi	cates	s/a	lon	ro	val	S

General Product	For use in hazard-	Declaration of Con-	other
Approval	ous locations	formity	







Confirmation

## Further informatior

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=3RA2125-1BD23-0BB4

## Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2125-1BD23-0BB4

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RA2125-1BD23-0BB

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2125-1BD23-0BB4&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2125-1BD23-0BB4/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2125-1BD23-0BB4&objecttype=14&gridview=view1

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