SIEMENS

Data sheet

3RV2023-4BA10



Circuit breaker size S0 for motor protection, CLASS 10 A-release 14...20 A N-release 260 A screw terminal Switching capacity 30 kA at 600 V according to UL/CSA

SIRIUS
Circuit breaker
For motor protection
3RV2
SO
S00, S0
Yes
10.5 W
3.5 W
690 V
6 kV
25g / 11 ms
100 000
100 000
100 000
Q
10/01/2009
2 000 m
-20 +60 °C
-50 +80 °C
-50 +80 °C
10 95 %
3
13 20 A
20 690 V
20 690 V 690 V
690 V
690 V 690 V
690 V 690 V 50 60 Hz
690 V 690 V 50 60 Hz

operating power	
● at AC-3	
— at 690 V rated value	15 kW
• at AC-3e	
— at 690 V rated value	15 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
Protective and monitoring functions	
product function	
 ground fault detection 	No
 phase failure detection 	Yes
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu)	
at AC at 690 V rated value	4 kA
operating short-circuit current breaking capacity (Ics) at AC	
at 690 V rated value	2 kA
response value current of instantaneous short-circuit trip unit	260 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	20 A
at 600 V rated value	20 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	1.5 hp
— at 230 V rated value	3 hp
• for 3-phase AC motor	
— at 200/208 V rated value	7.5 hp
— at 220/230 V rated value	5 hp
— at 460/480 V rated value	10 hp
- at 575/600 V rated value	15 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit protection of the main circuit	nagrete
• at 400 V	gG 63 A
• at 500 V	gG 50 A
• at 690 V	gG 50 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	97 mm
width	45 mm
depth	97 mm
required spacing	
with side-by-side mounting at the side	0 mm
 for grounded parts at 690 V 	
 or grounded parts at 690 V — downwards 	50 mm
	50 mm
— upwards	
— at the side	30 mm
• for live parts at 690 V	50 mm
— downwards	50 mm
— upwards	50 mm
- at the side	30 mm
Connections/ Terminals	

Irther information	to exit the Russian mark	(at (see bore)				
PRS	RINA		UDE VDE	} 		
		Confirmation	•		oration and Shock	Confirmation
Marine / Shipping		other	VERIT	Ra	ilway	
Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS				Lloyd's Register uis
Test Certificates		Marine / Shippi	ng			
<u>Confirmation</u>		(U) UL	EA	[UK CA	CE EG-Konf.
General Product Approval				De	claration of Conform	nity
ertificates/ approvals						
display version for swite	ching status		Handle			
	ne front according to IEC	finger-safe, for vertic	al contact from	the front		
	the front according to I	IP20				
T1 value for proof test i 61508	nterval or service life acco	raing to IEC	10 a			
	rate according to SN 319	50 FIT				
failure rate [FIT]						
	d rate according to SN 319	920	50 %			
	rate according to SN 319		50 %			
proportion of dangero			50.04			
	d rate according to SN 319	920	5 000			
B10 value						
afety related data						
 for main contacts 	; 		M4			
-	f the connection screw					
size of the screwdrive	-		Pozidriv size 2			
design of screwdriver	shaft	Diameter 5 to 6 mm				
	with screw-type terminals	2 2.5 N·m				
tightening torque						
 for AWG cables f 	for main contacts		2x (16 12), 2x (14 8)			
 finely strand 	ded with core end process	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²				
— solid or stra		2x (1 2.5 mm²), 2x (2.5 10 mm²)				
 for main contacts 	5					
type of connectable c	onductor cross-sections	;				
circuit						
			screw-type terminals Top and bottom			
	ical connectors for main	current		·		

Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RV2023-4BA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2023-4BA10

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

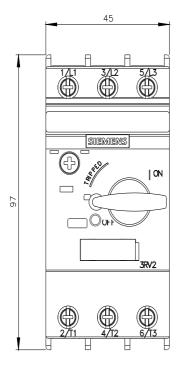
https://support.industry.siemens.com/cs/ww/en/ps/3RV2023-4BA10

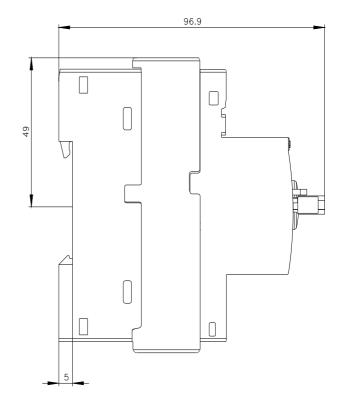
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2023-4BA10&lang=en

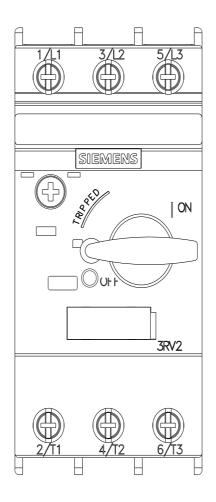
Characteristic: Tripping characteristics, I2t, Let-through current

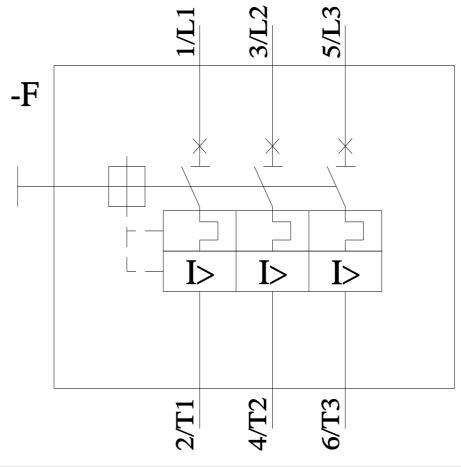
https://support.industry.siemens.com/cs/ww/en/ps/3RV2023-4BA10/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2023-4BA10&objecttype=14&gridview=view1









11/21/2022 🖸

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