SIEMENS

Data sheet

3RV2332-4EC10



Circuit breaker size S2 for starter combination Rated current 32 A N-release 416 A screw terminal increased switching capacity

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For starter combinations
product type designation	3RV2
General technical data	
size of the circuit-breaker	S2
size of contactor can be combined company-specific	S2
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	18 W
 at AC in hot operating state per pole 	6 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25g / 11 ms Sinus
mechanical service life (operating cycles)	
 of the main contacts typical 	50 000
 of auxiliary contacts typical 	50 000
electrical endurance (operating cycles) typical	50 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/15/2014
SVHC substance name	Blei - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
operating voltage	
 rated value 	20 690 V
 at AC-3 rated value maximum 	690 V
 at AC-3e rated value maximum 	690 V
operating frequency rated value	50 60 Hz
operational current rated value	32 A
operational current	
• at AC-3 at 400 V rated value	32 A
• at AC-3e at 400 V rated value	32 A
operating power	

• at AC-3	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	30 kW
• at AC-3e	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	30 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
	15 1/11
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
Protective and monitoring functions	
product function	
 ground fault detection 	No
 phase failure detection 	No
trip class	CLASS 10
maximum short-circuit current breaking capacity (Icu)	
at AC at 240 V rated value	100 kA
 at AC at 400 V rated value 	100 kA
at AC at 500 V rated value	15 kA
at AC at 690 V rated value	6 kA
operating short-circuit current breaking capacity (Ics) at AC	
	100 //4
at 240 V rated value	100 kA
• at 400 V rated value	50 kA
• at 500 V rated value	8 kA
at 690 V rated value	4 kA
response value current of instantaneous short-circuit trip unit	416 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	32 A
at 600 V rated value	32 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	3 hp
— at 230 V rated value	5 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	10 hp
— at 220/230 V rated value	10 hp
— at 460/480 V rated value	25 hp
— at 575/600 V rated value	30 hp
Short-circuit protection	
	Yes
product function short circuit protection	
design of the short-circuit trip design of the fuse link for IT network for short-circuit	magnetic
protection of the main circuit	
• at 240 V	none required
• at 400 V	125
• at 500 V	100
• at 690 V	80
Installation/ mounting/ dimensions	
	201/
mounting position	any
fastening method	
height	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 140 mm
width	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 140 mm 55 mm
	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 140 mm

lure rate [FIT] with low demand rate according to SN 920 0 value with high demand rate according to SN 31920 value for proof test interval or service life according to C 61508 otection class IP on the front according to IEC 60529 uch protection on the front according to IEC 60529	50 FIT 5 000 10 a IP20 finger-safe, for vertical contact from the front	
lure rate [FIT] with low demand rate according to SN 920 0 value with high demand rate according to SN 31920 value for proof test interval or service life according to C 61508	50 FIT 5 000 10 a	
lure rate [FIT] with low demand rate according to SN 920 0 value with high demand rate according to SN 31920 value for proof test interval or service life according to	50 FIT 5 000	
lure rate [FIT] with low demand rate according to SN 920	50 FIT	
lure rate [FIT] with low demand rate according to SN		
 with high demand rate according to SN 31920 	50 %	
 with low demand rate according to SN 31920 	50 %	
oportion of dangerous failures		
ety related data		
for main contacts	M6	
sign of the thread of the connection screw		
ze of the screwdriver tip	Pozidriv size 2	
sign of screwdriver shaft	Diameter 5 to 6 mm	
 for main contacts with screw-type terminals 	3 4.5 N·m	
htening torque		
 for AWG cables for main contacts 	2x (18 2), 1x (18 1)	
 finely stranded with core end processing 	2x (1 25 mm ²), 1x (1 35 mm ²)	
— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)	
for main contacts		
be of connectable conductor cross-sections		
rangement of electrical connectors for main current cuit	Top and bottom	
for main current circuit	screw-type terminals	
pe of electrical connection		
nections/ Terminals		
— forwards	0 mm	
— at the side	10 mm	
— backwards	0 mm	
— upwards	50 mm	
— downwards	50 mm	
• for live parts at 690 V		
— forwards	0 mm	
— at the side	10 mm	
— backwards	0 mm	
— upwards	50 mm	
— downwards	50 mm	
 for grounded parts at 690 V 		
— at the side	10 mm	
— upwards	50 mm	
— downwards	50 mm	
 for live parts at 500 V 		
— at the side	10 mm	
— upwards	50 mm	
— downwards	50 mm	
 for grounded parts at 500 V 		
— at the side	10 mm	
— upwards	50 mm	
— downwards	50 mm	
• for live parts at 400 V		
— at the side	10 mm	
— upwards	50 mm	
— downwards	50 mm	
 with side-by-side mounting at the side for grounded parts at 400 V 		

	<u>Confirmation</u>		<u>KC</u>	EHC	CE EG-Konf.
Declaration of Con- formity	Test Certificates		Marine / Shipping		
UK CA	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	BUREAU VERITAS	
Marine / Shipping			other		
Lloyds Register urs	PRS	RINA	Household and similar appliances	<u>Confirmation</u>	UDE VDE
Railway		Environment			
Vibration and Shock	<u>Confirmation</u>	Environmental Con- firmations			

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

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=3RV2332-4EC10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2332-4EC10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2332-4EC10

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

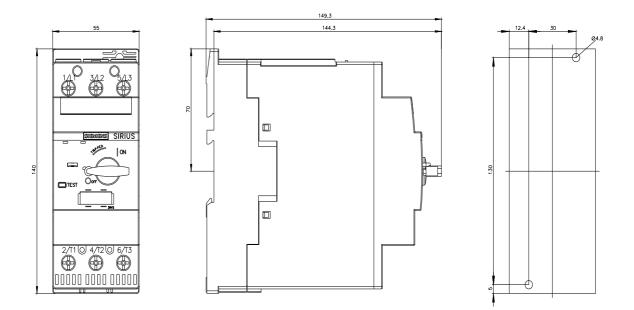
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2332-4EC10&lang=en

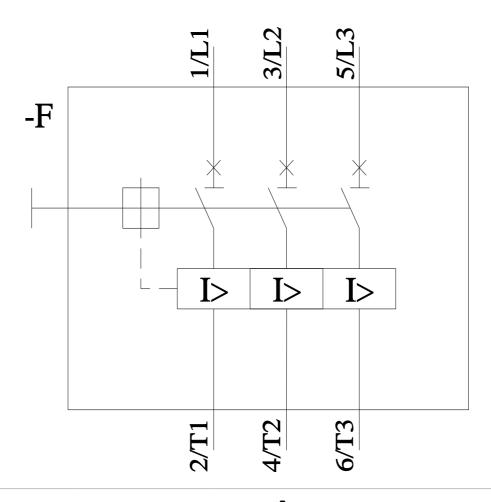
Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2332-4EC10/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2332-4EC10&objecttype=14&gridview=view1





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