SIEMENS

Data sheet 3RV2332-4RC10



Circuit breaker size S2 for starter combination Rated current 80 A N-release 1040 A screw terminal increased switching capacity

SIRIUS
Circuit breaker
For starter combinations
3RV2
S2
S2
Yes
29.5 W
9.8 W
690 V
6 kV
400 V
400 V
25g / 11 ms Sinus
20 000
20 000
20 000
Q
01.03.2017 00:00:00
2 000 m
-20 +60 °C
-50 +80 °C
-50 +80 °C
10 95 %
3
690 V
000 1
690 V

operational current at AC-3 at 400 V rated value	80 A
operating power at AC-3	
at 230 V rated value	22 000 W
 at 400 V rated value 	37 000 W
 at 500 V rated value 	55 000 W
at 690 V rated value	75 000 W
operating frequency at AC-3 maximum	15 1/h
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
	No
phase failure detection breaking capacity congrating short circuit current (leg)	INO
breaking capacity operating short-circuit current (Ics) at AC	
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
breaking capacity maximum short-circuit current (Icu)	T IVA
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	10 kA
at AC at 690 V rated value	6 kA
response value current of instantaneous short-circuit trip unit	1 040 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	77 A
at 600 V rated value	77 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	7.5 hp
• for 3-phase AC motor	·
at 200/208 V rated value	25 hp
— at 220/230 V rated value	30 hp
— at 460/480 V rated value	60 hp
— at 575/600 V rated value	75 hp
Short-circuit protection	10 Hp
	Voc
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	
● at 240 V	none required
● at 400 V	160
● at 500 V	125
• at 690 V	100
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
height	140 mm
width	55 mm
depth	149 mm
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required spacing	
 for grounded parts at 400 V 	
	50
downwards upwards	50 mm 50 mm

— at the side	10 mm	
• for live parts at 400 V		
— downwards	50 mm	
— upwards	50 mm	
— at the side	10 mm	
for grounded parts at 500 V		
— downwards	50 mm	
— upwards	50 mm	
— at the side	10 mm	
 for live parts at 500 V 		
— downwards	50 mm	
— upwards	50 mm	
— at the side	10 mm	
 for grounded parts at 690 V 		
— downwards	50 mm	
— upwards	50 mm	
— backwards	0 mm	
— at the side	10 mm	
— forwards	0 mm	
for live parts at 690 V		
— downwards	50 mm	
— upwards	50 mm	
— backwards	0 mm	
— at the side	10 mm	
— forwards	0 mm	
Connections/ Terminals		
product function removable terminal for auxiliary and control circuit	No	
type of electrical connection		
for main current circuit	screw-type terminals	
arrangement of electrical connectors for main current circuit	Top and bottom	
type of connectable conductor cross-sections		
 for main contacts 		
 solid or stranded 	2x (1 35 mm²), 1x (1 50 mm²)	
 finely stranded with core end processing 	2x (1 25 mm²), 1x (1 35 mm²)	
 at AWG cables for main contacts 	2x (18 2), 1x (18 1)	
tightening torque for main contacts with screw-type terminals	3 4.5 N·m	
design of screwdriver shaft	Diameter 5 to 6 mm	
size of the screwdriver tip	Pozidriv 2	
design of the thread of the connection screw		
for main contacts	M6	
Safety related data		
B10 value		
with high demand rate acc. to SN 31920	5 000	
proportion of dangerous failures		
with low demand rate acc. to SN 31920	50 %	
with high demand rate acc. to SN 31920	50 %	
failure rate [FIT]		
with low demand rate acc. to SN 31920	50 FIT	
T1 value for proof test interval or service life acc. to IEC 61508	10 y	
protection class IP on the front acc. to IEC 60529	IP20	
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front	
display version for switching status	Handle	
Certificates/ approvals		
General Product Approval		Declaration of







<u>KC</u>



Miscellaneous

Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certificate Type Test Certificates/Test Report







Marine / Shipping

other









Confirmation



Railway

Confirmation Vibration and Shock

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=3RV2332-4RC10

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV2332-4RC10}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2332-4RC10

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

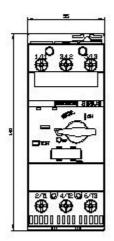
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2332-4RC10&lang=en

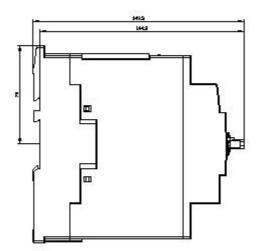
 $\label{lem:characteristic:} \textbf{Characteristic: Tripping characteristics, } \textbf{I}^{2}\textbf{t, Let-through current}$

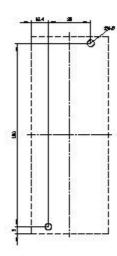
https://support.industry.siemens.com/cs/ww/en/ps/3RV2332-4RC10/char

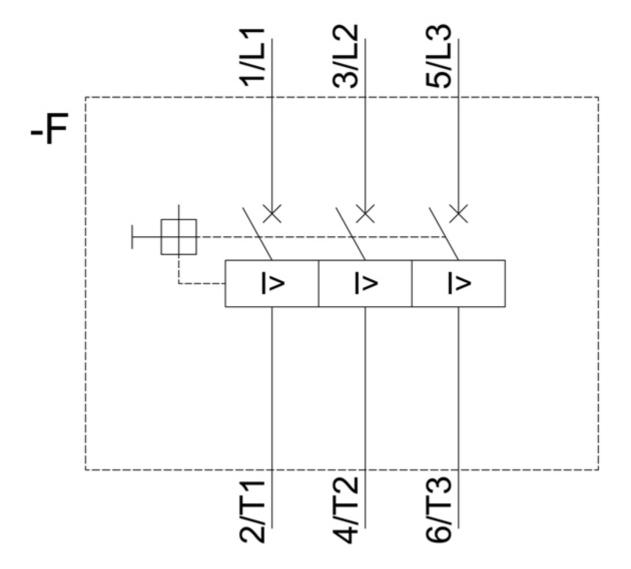
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2332-4RC10&objecttype=14&gridview=view1









last modified: 12/15/2020 ☑