SIEMENS

Data sheet 3RV2332-4JC10



Circuit breaker size S2 for starter combination Rated current 65 A N-release 845 A screw terminal increased switching capacity

product designation Circuit breaker dosign of the product ppe designation RV2 Conoral 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 per pole insulation voltage with degree of pollution 3 at AC rated value shock resistance according to IEC 80068-2-27 25g /11 ms Sinus mechanical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical • of substance name Biel - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum • during poperation • during storage • alt AC-3 rated value maximum • at AC-3 rated value value • at AC-3 rated value value • at AC-3 rated valu	product brand name	SIRIUS
design of the product type designation 3872		
Second technical data		
Size of the circuit-breaker Size of contactor can be combined company-specific Size of Combined Size of Size o		
size of the circuit-breaker \$2 size of contactor can be combined company-specific \$2 product extension auxiliary switch Yes power loss [W] for rated value of the current • at AC in hot operating state 2 • at AC in hot operating state per pole 8.7 W insulation voltage with degree of pollution 3 at AC rated value 6kV surge voltage resistance rated value 6kV shock resistance according to IEC 60068-2-27 25 /11 ms Sinus mechanical savice life (operating cycles) 20 000 • of the main contacts typical 20 000 • of suxiliary contacts typical 20 000 • of auxiliary contacts typical 20 000 • of or auxiliary contacts typical 20 000 • of the main contacts typical 20 000		UIV2
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product extension auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state per pole at AC in hot operating state per pole surge voltage resistance rated value shock resistance according to IEC 60068-2-27 eof the main contacts typical of auxiliary contacts typical of au		
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operational current • at AC-3 at 400 V rated value • at AC-3e at 400 V rated value 65 A 65 A	<u> </u>	
at AC-3e at 400 V rated value 65 A	·	
	•	65 A
operating power	• at AC-3e at 400 V rated value	65 A
	operating power	

• at AC-3	
— at 230 V rated value	18.5 kW
— at 400 V rated value	30 kW
— at 500 V rated value	45 kW
— at 690 V rated value	55 kW
• at AC-3e	
— at 230 V rated value	18.5 kW
— at 400 V rated value	30 kW
— at 500 V rated value	45 kW
— at 690 V rated value	55 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
Protective and monitoring functions	
product function	
ground fault detection	No
-	No
phase failure detection trip class	
trip class	CLASS 10
maximum short-circuit current breaking capacity (Icu)	400 kA
at AC at 400 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
operating short-circuit current breaking capacity (lcs) 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
response value current of instantaneous short-circuit trip unit	845 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	65 A
at 600 V rated value	62 A
yielded mechanical performance [hp]	
 for 3-phase AC motor 	
— at 200/208 V rated value	20 hp
— at 220/230 V rated value	25 hp
— at 460/480 V rated value	50 hp
— at 575/600 V rated value	60 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	
• 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 DIN rail according to DIN EN 60715
height	140 mm
width	55 mm
depth	149 mm
required spacing	
 with side-by-side mounting at the side 	0 mm
• for grounded parts at 400 V	
— downwards	50 mm

— upwards	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	
type of electrical connection	
for main current circuit	screw-type terminals
arrangement of electrical connectors for main current circuit	Top and bottom
	Top and bottom
circuit	Top and bottom
type of connectable conductor cross-sections	Top and bottom 2x (1 35 mm²), 1x (1 50 mm²)
type of connectable conductor cross-sections • for main contacts	
type of connectable conductor cross-sections • for main contacts — solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)
type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
circuit type of connectable conductor cross-sections of for main contacts — solid or stranded — finely stranded with core end processing of or AWG cables for main contacts	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m
circuit type of connectable conductor cross-sections of for main contacts - solid or stranded - finely stranded with core end processing of r AWG cables for main contacts tightening torque of for main contacts with screw-type terminals design of screwdriver shaft	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm
circuit type of connectable conductor cross-sections of or main contacts - solid or stranded - finely stranded with core end processing of or AWG cables for main contacts tightening torque of or main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6
circuit type of connectable conductor cross-sections of or main contacts - solid or stranded - finely stranded with core end processing of AWG cables for main contacts tightening torque of or main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw of or main contacts Safety related data proportion of dangerous failures with low demand rate according to SN 31920	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6
circuit type of connectable conductor cross-sections of or main contacts - solid or stranded - finely stranded with core end processing of AWG cables for main contacts tightening torque of or main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw of or main contacts Safety related data proportion of dangerous failures with low demand rate according to SN 31920 of with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 50 % 50 %
circuit type of connectable conductor cross-sections of or main contacts - solid or stranded - finely stranded with core end processing of AWG cables for main contacts tightening torque of or main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw of or main contacts Safety related data proportion of dangerous failures with low demand rate according to SN 31920 of with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 50 % 50 % 50 FIT
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 50 % 50 % 50 FIT
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 50 % 50 % 50 FIT 5 000
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 50 % 50 % 50 FIT 5 000
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Electrical Safety	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 50 % 50 % 50 % 50 FIT 5 000
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 50 % 50 % 50 % 10 a
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 50 % 50 % 50 FIT 5 000 10 a IP20 finger-safe, for vertical contact from the front
circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 display version for switching status	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 3 4.5 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 50 % 50 % 50 FIT 5 000 10 a IP20 finger-safe, for vertical contact from the front







Confirmation



<u>KC</u>

General Product Approval

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other







Miscellaneous

Confirmation



Railway

Environment

Confirmation

EPD Typ II/III (with life cylce assessment)

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=3RV2332-4JC10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2332-4JC10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2332-4JC10

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

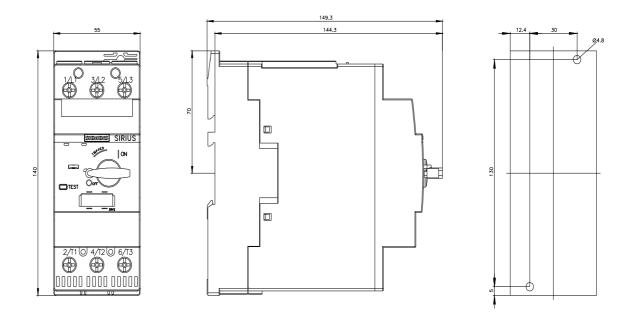
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2332-4JC10&lang=en

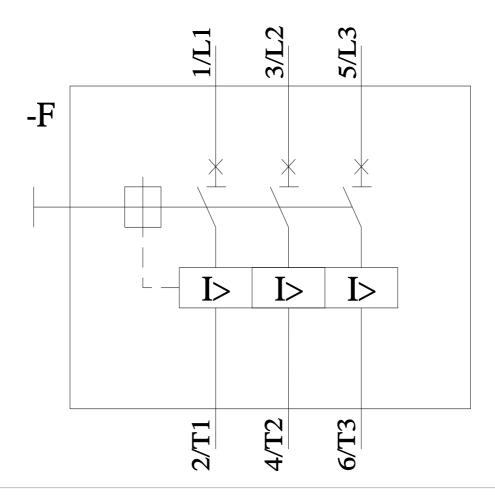
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2332-4JC10/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2332-4JC10&objecttype=14&gridview=view1





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