SIEMENS

Product data sheet 3RV2011-0HA10



CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10, A-REL. 0.55...0.8A, N-RELEASE10 A SCREW CONNECTION, STANDARD SW. CAPACITY

General technical data:		
product brand name		SIRIUS
Product designation		3RV2 circuit breaker
Size of the circuit-breaker		S00
Number of poles / for main current circuit		3
Product function		
 removable terminal for auxiliary and control circuit 		No
overload protection		Yes
phase disturbance recognition		Yes
short-circuit to earth recognition		No
Product component		
auxiliary switch		No
undervoltage release mechanism		No
trip indicator		No
Product extension		
auxiliary switch		Yes
optional / motor drive		No
Impulse voltage resistance / rated value	kV	6
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe

Ambient temperature • during stransport • during stransport • during storage • during operating • C	Installation altitude / at a height over sea level / maximum	m	2,000
turing storage turing storage turing operating C -50 +80 cuting operating C -20 +60 Active power loss / total / typical W 5.4 Main circuit: Operating voltage / rated value Service power / at AC-3 * at 400 V / rated value W 180 * at 500 V / rated value W 250 * at 500 V / rated value W 370 Operating voltage as operating time / of the main contacts / typical Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Number of changever contacts / for auxiliary contacts Machanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class Adjustable response current / of the current-dependent overload release **Safety:* Proportion of dangerous failures ** with high demand rate / according to SN 31920 ** with low demand rate / according to SN 31920 ** with low demand rate / according to SN 31920 ** with low demand rate / according to SN 31920 To value / for proof test interval or service life / according to EC 61508 Mounting type ** serve and snap-on mounting onto 35 mm standard mounting position Depth ** mm 98	Ambient temperature		
- during operating - during operating - c	·	°C	-50 +80
Active power loss / total / typical Main circuit: Operating voltage / rated value Service power / at AC-3 * at 400 V / rated value * at 500 V / rated value * at 500 V / rated value * at 500 V / rated value * at 690 V / rated value * at 690 V / rated value Mochanical operating current / at AC-3 / at 400 V / rated value Mochanical operating current / at AC-3 / rated value Mochanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Number of changeover contacts / for auxiliary contacts Mochanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures * with high demand rate / according to SN 31920 * with low demand rate / according to SN 31920 Failure rate [TT] / with low demand rate / according to SN 31920 For value / for proof test interval or service life / according to IEC at 50,000 Installation/mounting/dimensions: Mounting type mounting position Depth mm 96	during storage	°C	-50 +80
Main circuit: Operating voltage / rated value Service power / at AC-3 * at 4:00 V / rated value * at 5:00 V / rated value * at 6:00 V / rated value * A	during operating	°C	-20 +60
Operating voltage / rated value Service power / at AC-3 • at 400 V / rated value • at 500 V / rated value • at 500 V / rated value • at 600 V / rated value • A 0.8 Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Number of changeover contacts / for auxiliary contacts Mechanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low demand rate / according to SN 31920 • with low demand rate / according to SN 31920 • with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 Tri value / for proof test interval or service life / according to IEC elsos Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position Depth mm 96	Active power loss / total / typical	W	5.4
Service power / at AC-3 - at 400 V / rated value - at 500 V / rated value - at 690 V / rated value - A 0.8 Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Number of changeover contacts / for auxiliary contacts - Mechanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class - CLASS 10 Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures - with high demand rate / according to SN 31920 - with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 Follow alue / with high demand rate / according to SN 31920 Tri value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type mounting position Depth mm 96	Main circuit:		
+ at 400 V / rated value + at 500 V / rated value + at 690 V / rated value - at 690 V / rated value - A 0.8 Mochanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliarry circuit: Number of changeover contacts / for auxiliary contacts Mochanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class CLASS 10 Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures - with high demand rate / according to SN 31920 * with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 For typical of the strict	Operating voltage / rated value	V	690
- at 500 V / rated value - at 690 V / rated value Operating current / at AC-3 / at 400 V / rated value A 0.8 Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Number of changeover contacts / for auxiliary contacts Mechanical operating cycles as operating time / of the auxiliary contacts / typical Mechanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures - with high demand rate / according to SN 31920 - with low demand rate / according to SN 31920 Fill value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type mm 96	Service power / at AC-3		
- at 690 V / rated value Operating current / at AC-3 / at 400 V / rated value A 0.8 Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Number of changeover contacts / for auxiliary contacts Mechanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures - with high demand rate / according to SN 31920 - with low demand rate / according to SN 31920 Failure rate (FIT) / with low demand rate / according to SN 31920 Tri value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type wm 96	• at 400 V / rated value	W	180
Operating current / at AC-3 / at 400 V / rated value Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Number of changeover contacts / for auxiliary contacts Mechanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 * with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 For your of test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type Mechanical operating cycles as operating time / of the main contacts / 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 40 40 40 FIT 50 B10 value / with high demand rate / according to SN 31920 FIT 50 B10 value / with high demand rate / according to IEC 61508 Installation/mounting/dimensions: Mounting type Screw and snap-on mounting onto 35 mm standard mounting position any Depth mm 96	• at 500 V / rated value	W	250
Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Number of changeover contacts / for auxiliary contacts Mechanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 For your of test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type mm 96	• at 690 V / rated value	W	370
Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Number of changeover contacts / for auxiliary contacts Mechanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low demand rate / according to SN 31920 • with low demand rate / according to SN 31920 Failure rate [FiT] / with low demand rate / according to SN 31920 T1 value / with high demand rate / according to SN 31920 T1 value / for proof test interval or service life / according to IEC e1508 Installation/mounting/dimensions: Mounting type Screw and snap-on mounting onto 35 mm standard mounting position Screw and snap-on mounting to DIN EN 60715 any Screw and snap-on mounting to DIN EN 60715 any Screw and snap-on mounting onto 35 mm standard mounting position any	Operating current / at AC-3 / at 400 V / rated value	Α	0.8
Auxiliary circuit: Number of changeover contacts / for auxiliary contacts Mechanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class CLASS 10 Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low demand rate / according to SN 31920 • with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 T1 value / for proof test interval or service life / according to IEC at 10 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position Depth mm 96	Mechanical operating cycles as operating time / of the main contacts / typical		100,000
Number of changeover contacts / for auxiliary contacts Mechanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 Failure rate [FIT] / with high demand rate / according to SN 31920 To value / for proof test interval or service life / according to IEC at 10 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position mm 96	Frequency of operation / with AC-3 / maximum	1/h	15
Mechanical operating cycles as operating time / of the auxiliary contacts / typical Protection function: Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low demand rate / according to SN 31920 Failure rate [FiT] / with low demand rate / according to SN 31920 Flow alue / with high demand rate / according to SN 31920 To value / for proof test interval or service life / according to IEC a 10 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position mm 96	Auxiliary circuit:		
Protection function: Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low demand rate / according to SN 31920 * with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 Filt 50 B10 value / with high demand rate / according to SN 31920 T1 value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position pepth mm 96	Number of changeover contacts / for auxiliary contacts		0
Trip class Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low 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 FIT 50 B10 value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position Depth mm 96	Mechanical operating cycles as operating time / of the auxiliary contacts / typical		100,000
Adjustable response current / of the current-dependent overload release Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low 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 F1T 50 B10 value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position pepth mm 96	Protection function:		
Safety: Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 Filt 50 B10 value / with high demand rate / according to SN 31920 T1 value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position Depth mm 96	Trip class		CLASS 10
Proportion of dangerous failures • with high demand rate / according to SN 31920 • with low 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 T1 value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting position any Depth mm 96	Adjustable response current / of the current-dependent overload release	А	0.55 0.8
with high demand rate / according to SN 31920 with low demand rate / according to SN 31920 Failure rate [FIT] / with low demand rate / according to SN 31920 FIT 50 B10 value / with high demand rate / according to SN 31920 T1 value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position pepth mm 96	Safety:		
with low demand rate / according to SN 31920 ## Addition	Proportion of dangerous failures		
Failure rate [FIT] / with low demand rate / according to SN 31920 B10 value / with high demand rate / according to SN 31920 T1 value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position pepth mm 96	with high demand rate / according to SN 31920	%	40
B10 value / with high demand rate / according to SN 31920 T1 value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position any Depth mm 96	with low demand rate / according to SN 31920	%	40
T1 value / for proof test interval or service life / according to IEC 61508 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position any Depth mm 96	Failure rate [FIT] / with low demand rate / according to SN 31920	FIT	50
Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position any Depth mm 96	B10 value / with high demand rate / according to SN 31920		50,000
Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 mounting position any Depth mm 96	T1 value / for proof test interval or service life / according to IEC 61508	а	10
mounting rail according to DIN EN 60715 mounting position any Depth mm 96	Installation/mounting/dimensions:		
Depth 96	Mounting type		
•	mounting position		any
Height 97	Depth	mm	96
······ · · · ·	Height	mm	97

Width	mm	45
Connections:		

Connections:	
Arrangement of electrical connectors / for main current circuit	Top and bottom
Design of the electrical connection	
for main current circuit	screw-type terminals
Type of the connectable conductor cross-section	
for main contacts	
• finely stranded	
 with conductor end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG conductors / for main contacts	2x (18 14), 2x 12

UL/CSA ratings:		
Full-load current (FLA) / for 3-phase motor		
• at 480 V / rated value	Α	0.8
• at 600 V / rated value	А	0.8

Certificates	Jannrovale:
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General Product Approval	Declaration of Conformity	Test Certificates











Type Test
Certificates/Test
Report

Shipping Approval













Shipping Approval







Confirmation



other

Environmental Confirmations

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

Cax online generator:

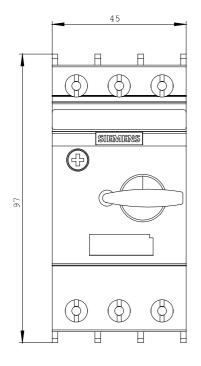
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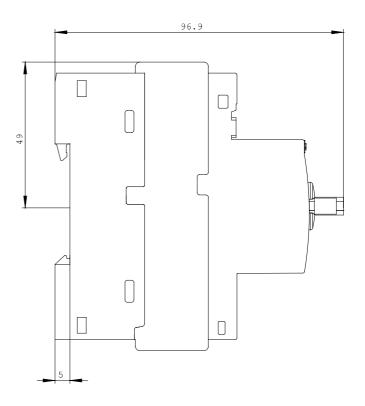
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

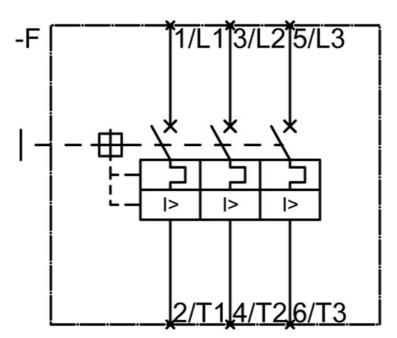
http://support.automation.siemens.com/WW/view/en/3RV2011-0HA10/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2011-0HA10







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