SIEMENS

Data sheet

3RV2331-4DC10



Circuit breaker size S2 for starter combination Rated current 25 A N-release 325 A Screw terminal Standard switching capacity



product brand nameSIRIUSproduct designationCircuit breakerdesign of the productFor starter combinationsproduct type designation3RV2General technical dataS2size of the circuit-breakerS2size of contactor can be combined company-specificS2product extension auxiliary switchYespower loss [W] for rated value of the current14.5 W• at AC in hot operating state per pole4.8 Winsulation voltage with degree of pollution 3 at AC rated value690 Vsurge voltage resistance rated value6 kV
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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 Lead - 7439-92-1
Weight 1.044 kg
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 %
Environmental footprint
Global Warming Potential [CO2 eq] total 239.877 kg
Global Warming Potential [CO2 eq] during manufacturing 12.8 kg
global warming potential [CO2 eq] during sales 0.477 kg
Global Warming Potential [CO2 eq] during operation 230 kg
Global Warming Potential [CO2 eq] after end of life -3.4 kg
Siemens Eco Profile (SEP) Siemens EcoTech
Main circuit

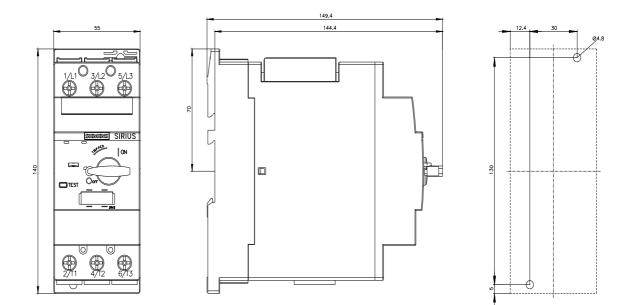
number of poles for main current circuit	3
operating voltage	
rated value	20 690 V
• at AC-3 rated value maximum	690 V 690 V
at AC-3e rated value maximum	
operating frequency rated value	50 60 Hz
operational current rated value	25 A
operational current	
• at AC-3 at 400 V rated value	25 A
at AC-3e at 400 V rated value	25 A
operating power	
• at AC-3	
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	15 kW
— at 690 V rated value	22 kW
• at AC-3e	
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	15 kW
— at 690 V rated value	22 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
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	65 kA
at AC at 500 V rated value	12 kA
• at AC at 690 V rated value	5 kA
operating short-circuit current breaking capacity (Ics) at AC	
at 240 V rated value	100 kA
• at 400 V rated value	30 kA
at 400 V rated value at 500 V rated value	50 KA 6 KA
at 690 V rated value	3 kA
response value current of instantaneous short-circuit trip unit	325 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	25 A
at 600 V rated value	25 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	2 hp
— at 230 V rated value	5 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	7.5 hp
— at 220/230 V rated value	10 hp
— at 460/480 V rated value	20 hp
— at 575/600 V rated value	25 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	

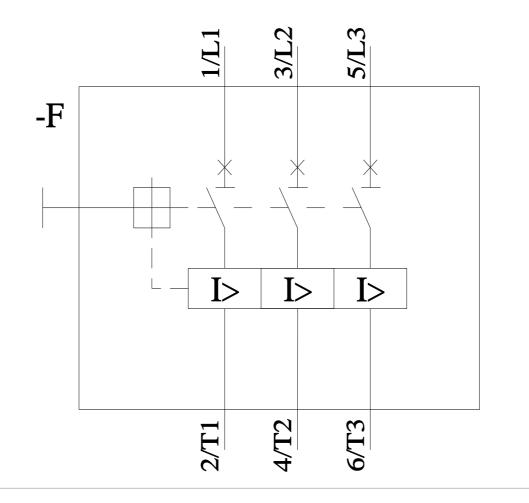
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• 43 60 V 63 Installation (Innerations) any Testering method access and samp on mounting onto 35 mm DIN rail according to DIN EN 83715 height 140 mm with 55 mm dight 140 mm required spacing 140 mm required spacing 0 mm - or grounde parts at 400 V 0 mm - downwards 00 mm - upwards 00 mm - downwards 00 mm - upwards 00 mm - downwards 00 mm - upwards 00 mm - downwards 00 mm - downwards 00 mm - downwards 00 mm - downwards 00 mm		
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