SIEMENS

Data sheet

3RV1063-7CL10



Molded case circuit breaker 3RV1 for motor protection Standard switching capacity Rated current In = 160 A electronic release Short-circuit protection adjustable 6-13 x In Overload protection adjustable 0.4-1 x In, Class 10A-31 Icu = 120 kA at 400 V 3-pole, Screw terminal including phase barriers

product brand name SIRUS product designation molded-case circuit breaker design of the product for molor protection product extension auxiliary switch SRV1 Concal technical data product extension auxiliary switch Yes surge voltage resistance rated value 8 000 V protection class IP on the front IP20 shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts 20 000 typical 20 000 continuous current rated value 250 A Substance Prohibitance (Date) 01/08/2008 Ambient conditions installation altitude at height above sea level maximum 2 000 m adius goeration -25 +60 °C - during storage -40 +70 °C Main circuit 3 adjustable current response value current of the current- 64 160 A operating voltage 690 V - rated value 200 V - rated value 200 V - rated value 200 V					
design of the product for motor protection product type designation 3RV1 General technical data	product brand name	SIRIUS			
product type designation 3RV1 General technical data	product designation	molded-case circuit breaker			
General technical data product extension auxiliary switch Yes surge voltage resistance rated value 8 000 V protection class IP on the front IP20 shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts typical 20 000 continuous current rated value 250 A Substance Prohibitance (Date) 01/08/2008 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature - • during operation -25 +60 °C • during storage -40 +70 °C Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release 690 V operating voltage - • rated value 690 V • rated value 200 V • at AC-3 rated value 200 V • at AC-3 rated value 90 kW operating power at AC-3 90 kW operating power at AC-3 90 kW operating power at AC-3 maximum 15 1/h	design of the product	for motor protection			
product extension auxiliary switch Yes surge voltage resistance rated value 8 000 V protection class IP on the front IP20 shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts typical 20 000 continuous current rated value 250 A Substance Prohibitance (Date) 01/08/2008 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -40 +70 °C • during storage -40 +70 °C • during storage -40 +70 °C • during transport 3 adjustable current response value current of the current- dependent overload release 690 V • rated value 690 V • rated value 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value 250 A operating power at AC-3 90 kW operating frequency at AC-3 maximum 15 1/h Auxiliary ceruit 15 1/h	product type designation	3RV1			
surge voltage resistance rated value 8 000 V protection class IP on the front IP20 shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts typical 20 000 continuous current rated value 250 A Substance Prohibitance (Date) 01/08/2008 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during transport -40 +70 °C Main circuit 3 radjustable current response value current of the current- dependent overload release 64 160 A operating voltage - • rated value 690 V • rated value 690 V • rated value 250 A • at AC-3 rated value maximum 690 V • operating power at AC-3 - • at 400 V rated value 250 A operating frequency at AC-3 maximum 51 /h Auxilliary circuit 0	General technical data				
protection class IP on the front IP20 shock resistance 12g / 11 ms mechanical service life (operating cycles) of the main contacts typical 20 000 continuous current rated value 250 A Substance Prohibitance (Date) 01/08/2008 Ambient conditions	product extension auxiliary switch	Yes			
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mechanical service life (operating cycles) of the main contacts typical 20 000 continuous current rated value 250 A Substance Prohibitance (Date) 01/08/2008 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -25 +60 °C • during storage -40 +70 °C • during transport -40 +70 °C Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 64 160 A operating voltage 64 160 V • at AC-3 rated value 250 A operating power at AC-3 690 V • at 400 V rated value 250 A operating power at AC-3 90 kW operating frequency at AC-3 maximum 51 /h Auxiliary circuit 15 1/h number of NC contacts for auxiliary contacts 0	protection class IP on the front	IP20			
typical 250 A continuous current rated value 250 A Substance Prohibitance (Date) 01/08/2008 Ambient conditions 2 000 m ambient temperature - • during operation -25 +60 °C • during storage -40 +70 °C • during transport -40 +70 °C Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release 690 V • rated value 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value 250 A • at 400 V rated value 90 kW operating frequency at AC-3 90 kW operating frequency at AC-3 maximum 15 1/h	shock resistance	12g / 11 ms			
Substance Prohibitance (Date) 01/08/2008 Ambient conditions 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -40 +70 °C • during transport -40 +70 °C Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 64 160 A operating voltage - • tated value 690 V • at AC-3 rated value maximum 250 A operating power at AC-3 - • at 400 V rated value 90 kW operating frequency at AC-3 maximum 15 1/h Auxiliary circuit 0		20 000			
Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -40 +70 °C • during transport -40 +70 °C Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release 690 V • rated value 690 V • rated value 250 A operating power at AC-3 at 400 V rated value 250 A operating frequency at AC-3 maximum 90 kW operating frequency at AC-3 maximum 15 1/h Auxiliary circuit 0	continuous current rated value	250 A			
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• during transport -40 +70 °C Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 64 160 A operating voltage 690 V • rated value 690 V • rated value 690 V • at AC-3 rated value maximum 690 V operating power at AC-3 at 400 V rated value 250 A operating power at AC-3 90 kW operating frequency at AC-3 maximum 15 1/h Auxiliary circuit 0	 during operation 	-25 +60 °C			
Main circuit 3 number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 64 160 A operating voltage 690 V • rated value 690 V • rated value 690 V • at AC-3 rated value maximum 690 V operating power at AC-3 at 400 V rated value 250 A operating power at AC-3 90 kW operating frequency at AC-3 maximum 15 1/h Auxiliary circuit 0	during storage	-40 +70 °C			
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adjustable current response value current of the current- dependent overload release64 160 Aoperating voltage690 V• rated value690 V• rated value20 690 V• at AC-3 rated value maximum690 Voperational current at AC-3 at 400 V rated value250 Aoperating power at AC-390 kWoperating frequency at AC-3 maximum15 1/hAuxiliary circuit0	Main circuit				
dependent overload releaseoperating voltage• rated value690 V• rated value20 690 V• at AC-3 rated value maximum690 Voperational current at AC-3 at 400 V rated value250 Aoperating power at AC-390 kW• at 400 V rated value90 kWoperating frequency at AC-3 maximum15 1/hAuxiliary circuit0	number of poles for main current circuit	3			
• rated value690 V• rated value20 690 V• at AC-3 rated value maximum690 Voperational current at AC-3 at 400 V rated value250 Aoperating power at AC-390 kW• at 400 V rated value90 kWoperating frequency at AC-3 maximum15 1/hAuxiliary circuit0		64 160 A			
rated value 20 690 V e at AC-3 rated value maximum 690 V operational current at AC-3 at 400 V rated value 250 A operating power at AC-3 e at 400 V rated value 90 kW operating frequency at AC-3 maximum 15 1/h Auxiliary circuit number of NC contacts for auxiliary contacts 0	operating voltage				
	rated value	690 V			
operational current at AC-3 at 400 V rated value 250 A operating power at AC-3 90 kW operating frequency at AC-3 maximum 15 1/h Auxiliary circuit 90 kW	rated value	20 690 V			
operating power at AC-3 90 kW operating frequency at AC-3 maximum 90 kW operating frequency at AC-3 maximum 15 1/h Auxiliary circuit 0	 at AC-3 rated value maximum 	690 V			
• at 400 V rated value 90 kW operating frequency at AC-3 maximum 15 1/h Auxiliary circuit 0	operational current at AC-3 at 400 V rated value	250 A			
operating frequency at AC-3 maximum 15 1/h Auxiliary circuit 0	operating power at AC-3				
Auxiliary circuit number of NC contacts for auxiliary contacts 0	• at 400 V rated value	90 kW			
number of NC contacts for auxiliary contacts 0	operating frequency at AC-3 maximum	15 1/h			
· · · · · · · · · · · · · · · · · · ·	Auxiliary circuit				
number of NO contacts for auxiliary contacts 0	number of NC contacts for auxiliary contacts	0			
	number of NO contacts for auxiliary contacts	0			
number of CO contacts for auxiliary contacts 0	number of CO contacts for auxiliary contacts	0			
Protective and monitoring functions	Protective and monitoring functions				
product function	product function				
ground fault detection No	 ground fault detection 	No			
phase failure detection Yes	phase failure detection	Yes			
trip class CLASS 10, 20 and 30 adjustable	trip class	CLASS 10, 20 and 30 adjustable			
design of the overload release electronic	design of the overload release	electronic			

maximum short-circuit current l	preaking capac	city (Icu)				
 at AC at 240 V rated value 		· · · · · · · · · · · · · · · · · · ·	100 kA			
• at AC at 400 V rated value			120 kA			
• at AC at 500 V rated value			85 kA			
at AC at 690 V rated value			70 kA			
response value current of instantaneous short-circuit trip unit		2 080 A				
Short-circuit protection			2 000 A			
			electronic			
design of the short-circuit trip design of the overcurrent release and short-circuit release		electronic				
Installation/ mounting/ dimension		rcuit release	electronic			
	15		0.001/			
mounting position			any			
fastening method			screw fixing			
height			205 mm			
width			105 mm			
depth			103.5 mm			
 required spacing with side-by-side backwards 	mounting		0			
			0 mm			
• at the side			0 mm			
Connections/ Terminals		u dia manda	Nie			
control circuit	product component removable terminal for auxiliary and control circuit		No			
type of electrical connection						
 for main current circuit 			screw-type terminals			
 for auxiliary and control circ 	uit		screw-type terminals			
arrangement of electrical connectors for main current circuit		front side				
Safety related data						
touch protection against electrical shock			finger-safe			
Certificates/ approvals						
General Product Approval		Declaration of Conformity		Test Certificates	Marine / Shipping	
Confirmation	AC	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	ABS	
Marine / Shipping			other			
	loyd's egister us	RINA	<u>Miscellaneous</u>	<u>Confirmation</u>	UDE VDE	
Railway						
Special Test Certific- ate						

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=3RV1063-7CL10 Cax online generator

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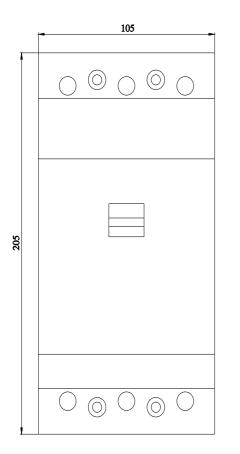
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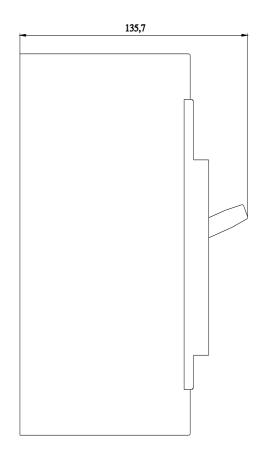
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV1063-7CL10 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1063-7CL10&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV1063-7CL10/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1063-7CL10&objecttype=14&gridview=view1





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