

MOLDED CASE CIRC.BREAKER 3RV1 FOR MOTOR PROTECTION STANDARD SWITCHING CAPACITY RATED CURRENT I<sub>N</sub>=160A ELECTRONIC RELEASE SHORT-CIRCUIT PROTECTION ADJUSTABLE 6-13XLN OVERLOAD PROTECTION UEL 0.4-1XLN, CLASS 10A-30 ICU =120KA AT 400V 3-POLE, SCREW TERMINAL INCL. PHASE BARRIERS



Figure similar

Product brand name	SIRIUS
Product designation	molded-case circuit breaker
Design of the product	for motor protection

### General technical data

Product extension	
<ul style="list-style-type: none"> <li>Auxiliary switch</li> </ul>	Yes
Surge voltage resistance rated value	8 000 V
Protection class IP	
<ul style="list-style-type: none"> <li>on the front</li> </ul>	IP20
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> <li>of the main contacts typical</li> </ul>	20 000
Continuous current rated value	250 A

### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-25 ... +60 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +70 °C

Main circuit	
<b>Number of poles for main current circuit</b>	3
<b>Adjustable pick-up value current of the current-dependent overload release</b>	64 ... 160 A
<b>Operating voltage</b>	
• rated value	690 V
• at AC-3 rated value maximum	690 V
<b>Operating current</b>	
• at AC-3	
— at 400 V rated value	250 A
<b>Operating power</b>	
• at AC-3	
— at 400 V rated value	90 kW
<b>Operating frequency</b>	
• at AC-3 maximum	15 1/h
Auxiliary circuit	
<b>Number of CO contacts</b>	
• for auxiliary contacts	0
Protective and monitoring functions	
<b>Product function</b>	
• Ground fault detection	No
• Phase failure detection	Yes
<b>Trip class</b>	CLASS 10, 20 and 30 adjustable
<b>Maximum short-circuit current breaking capacity (I<sub>cu</sub>)</b>	
• 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
Short-circuit protection	
<b>Design of the overcurrent release and short-circuit release</b>	electronic
Installation/ mounting/ dimensions	
<b>Mounting position</b>	any
<b>Mounting type</b>	screw fixing
<b>Height</b>	205 mm
<b>Width</b>	105 mm
<b>Depth</b>	103.5 mm
<b>Required spacing</b>	
• with side-by-side mounting	
— Backwards	0 mm
— at the side	0 mm

## Connections/Terminals

<b>Product function</b>	No
<ul style="list-style-type: none"> <li>removable terminal for auxiliary and control circuit</li> </ul>	
<b>Type of electrical connection</b>	
<ul style="list-style-type: none"> <li>for main current circuit</li> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals screw-type terminals
<b>Arrangement of electrical connectors for main current circuit</b>	front side

## Certificates/approvals

General Product Approval	Declaration of Conformity	Test Certificates	Marine / Shipping
--------------------------	---------------------------	-------------------	-------------------



[Special Test Certificate](#)



## Marine / Shipping

## other



GL



LRS



RINA



RMRS

[Confirmation](#)

[Miscellaneous](#)

## other

[Environmental Confirmations](#)



VDE

## Further information

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

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

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1063-7CL10>

### Cax online generator

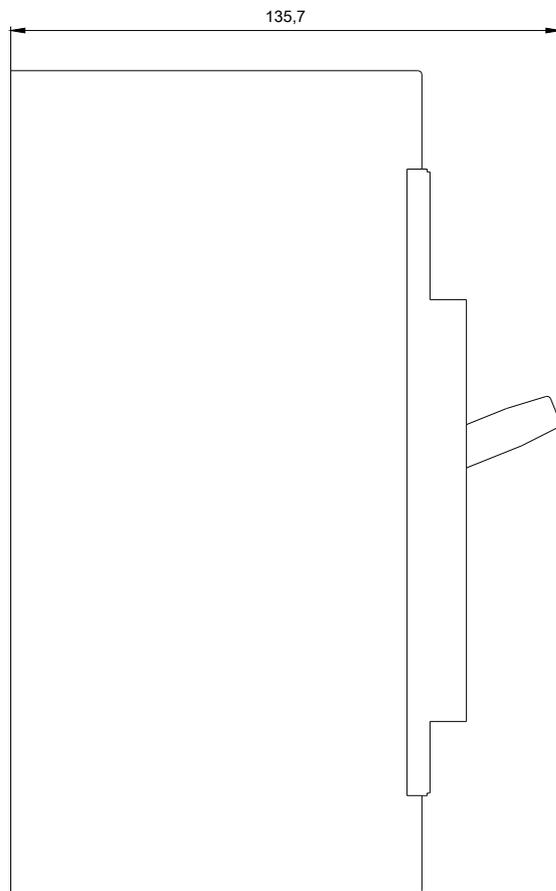
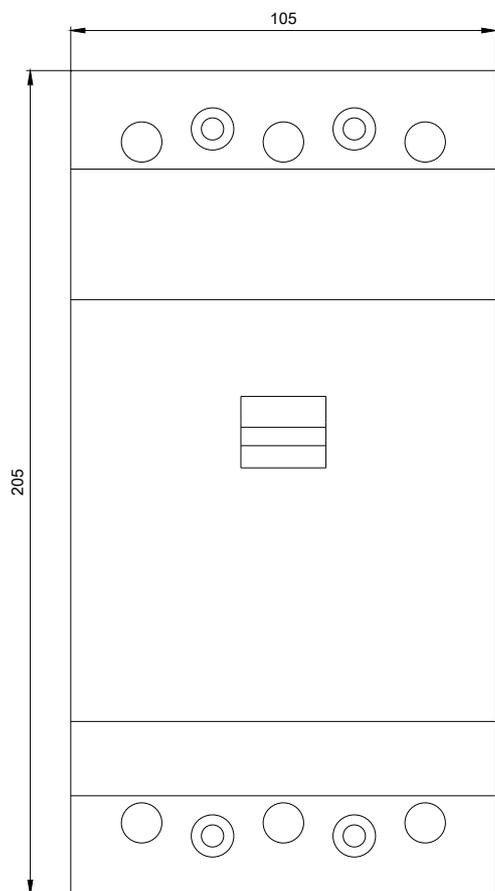
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1063-7CL10>

### 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](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1063-7CL10&lang=en)



last modified:

09/25/2017