



MOLDED CASE CIRC.BREAKER 3RV1 FOR MOTOR PROTECTION STANDARD SWITCHING CAPACITY RATED CURRENT $I_N=100A$ 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

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

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 (switching cycles)	
• of the main contacts typical	20 000

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

Number of poles for main current circuit	3
Adjustable pick-up value current of the current-dependent overload release	40 ... 100 A
Operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
Operating current	
• at AC-3	
— at 400 V rated value	250 A
Operating power	
• at AC-3	
— at 400 V rated value	55 kW
Operating frequency	
• at AC-3 maximum	15 1/h

Auxiliary circuit

Number of CO contacts	
• for auxiliary contacts	0

Protective and monitoring functions

Trip class	CLASS 10, 20 and 30 adjustable
Maximum short-circuit current breaking capacity (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

Short-circuit protection

Design of the overcurrent release and short-circuit release	electronic
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Installation/ mounting/ dimensions

Mounting position	any
Mounting type	screw fixing
Height	205 mm
Width	105 mm
Depth	103.5 mm
Required spacing	
• with side-by-side mounting	
— Backwards	0 mm
— at the side	0 mm

Connections/Terminals

Product function	
removable terminal for auxiliary and control circuit	No
Type of electrical connection	
- for main current circuit - for auxiliary and control current circuit	screw-type terminals screw-type terminals
Arrangement of electrical connectors for main current circuit	front side

Certificates/approvals

General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
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Shipping Approval	other
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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=3RV1063-7AL10>

Cax online generator

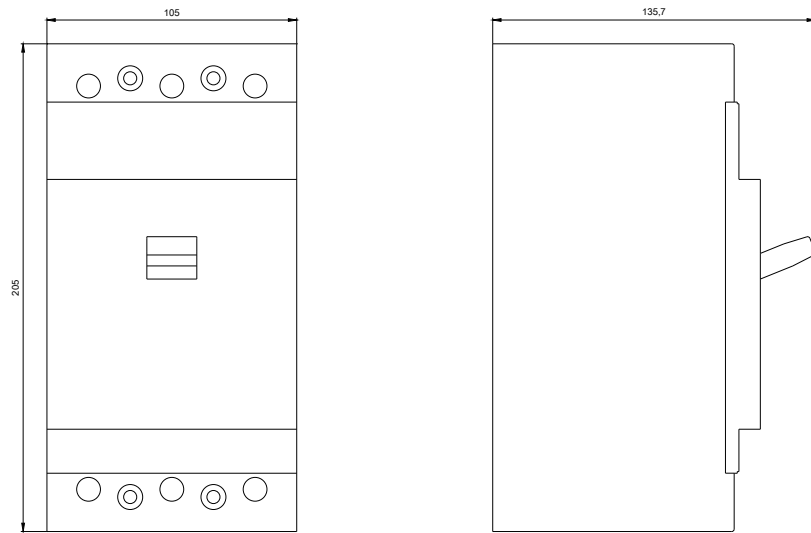
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1063-7AL10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1063-7AL10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1063-7AL10&lang=en



last modified:

10/19/2016