



MOLDED CASE CIRC.BREAKER 3RV1 FOR MOTOR PROTECTION STANDARD SWITCHING CAPACITY RATED CURRENT $I_N=160A$ 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

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

General technical data:

Shock resistance		12g / 11 ms
Surge voltage resistance Rated value	V	8 000
Mechanical service life (switching cycles)		
• of the main contacts typical		20 000
Protection class IP		
• on the front		IP20
Equipment marking		
• acc. to DIN EN 61346-2		Q

Main circuit:

Number of poles for main current circuit		3
Adjustable response value current of the current-dependent overload release	A	64 ... 160
Operating voltage		
• Rated value	V	690
• at AC-3 Rated value maximum	V	690
Operating current		
• at AC-3		
— at 400 V Rated value	A	250
Operating power		
• at AC-3		
— at 400 V Rated value	kW	90
Operating frequency		
• at AC-3 maximum	1/h	15

Auxiliary circuit:

Number of CO contacts		
• for auxiliary contacts		0

Product expansion Auxiliary switch		Yes
Protective and monitoring functions:		
Trip class		CLASS 10, 20 and 30 adjustable
Maximum short-circuit current breaking capacity (Icu)		
<ul style="list-style-type: none"> • with AC at 240 V Rated value 	kA	100
<ul style="list-style-type: none"> • with AC at 400 V Rated value 	kA	120
<ul style="list-style-type: none"> • with AC at 500 V Rated value 	kA	85
<ul style="list-style-type: none"> • with AC at 690 V Rated value 	kA	70
Short-circuit:		
Design of the overcurrent release and short-circuit release		electronic
Installation/ mounting/ dimensions:		
mounting position		any
Mounting type		screw fixing
Height	mm	205
Width	mm	105
Depth	mm	103.5
Required spacing		
<ul style="list-style-type: none"> • with side-by-side mounting 		
— Backwards	mm	0
— at the side	mm	0
Connections/ Terminals:		
Type of electrical connection		
<ul style="list-style-type: none"> • for main current circuit 		screw-type terminals
<ul style="list-style-type: none"> • for auxiliary and control current circuit 		screw-type terminals
Arrangement of electrical connectors for main current circuit		front side
Product function		
<ul style="list-style-type: none"> • removable terminal for auxiliary and control circuit 		No
Safety related data:		
Protection against electrical shock		finger-safe
Mechanical data:		
Size of the circuit-breaker		3RV1.6
Ambient conditions:		
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
<ul style="list-style-type: none"> • during operation 	°C	-25 ... +60
<ul style="list-style-type: none"> • during storage 	°C	-40 ... +70

- during transport

°C -40 ... +70

Certificates/ approvals:

General Product Approval	Test Certificates	Shipping Approval
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[Special Test Certificate](#)



Shipping Approval	other
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LRS



RINA



RMRS

[Confirmation](#)

[Declaration of Conformity](#)

[Environmental Confirmations](#)

other



VDE

[other](#)

Further information

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

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

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

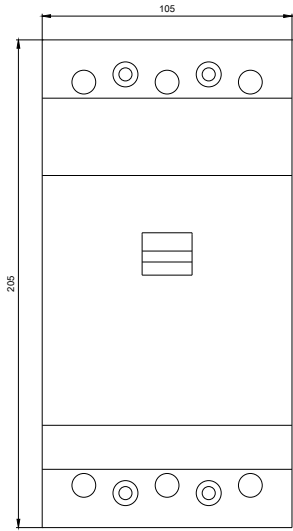
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV10637CL10>

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

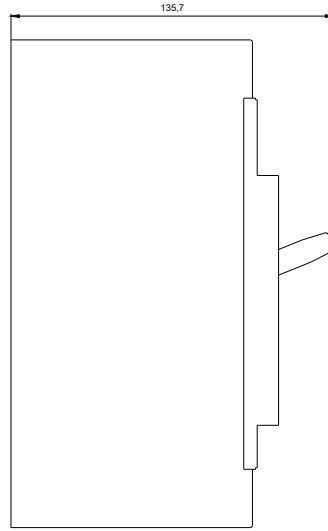
<http://support.automation.siemens.com/WW/view/en/3RV10637CL10/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV10637CL10&lang=en



last modified:



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