



MOLDED CASE CIRC.BREAKER 3RV1 FOR MOTOR PROTECTION STANDARD SWITCHING CAPACITY RATED CURRENT $I_N=630A$ 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)		
<ul style="list-style-type: none"> • of the main contacts typical 		20 000
Protection class IP		
<ul style="list-style-type: none"> • on the front 		IP20
Equipment marking		
<ul style="list-style-type: none"> • 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	252 ... 630
Operating voltage		
<ul style="list-style-type: none"> • Rated value 	V	690
<ul style="list-style-type: none"> • at AC-3 Rated value maximum 	V	690
Operating current		
<ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V Rated value 	A	800
Operating power		
<ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V Rated value 	kW	355
Operating frequency		
<ul style="list-style-type: none"> • at AC-3 maximum 	1/h	15

Auxiliary circuit:

Number of CO contacts		
<ul style="list-style-type: none"> • 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)		
• with AC at 240 V Rated value	kA	100
• with AC at 400 V Rated value	kA	100
• with AC at 500 V Rated value	kA	65
• with AC at 690 V Rated value	kA	30
Short-circuit:		
Design of the overcurrent release and short-circuit release		electronic
Installation/ mounting/ dimensions:		
mounting position		any
Mounting type		screw fixing
Height	mm	268
Width	mm	210
Depth	mm	103.5
Required spacing		
• with side-by-side mounting		
— Backwards	mm	0
— at the side	mm	0
Connections/ Terminals:		
Type of electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
Arrangement of electrical connectors for main current circuit		front side
Product function		
• removable terminal for auxiliary and control circuit		No
Safety related data:		
Protection against electrical shock		finger-safe
Mechanical data:		
Size of the circuit-breaker		3RV1.8
Ambient conditions:		
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during operation	°C	-25 ... +50
• during storage	°C	-40 ... +70

- during transport

°C -40 ... +70

Certificates/ approvals:

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



Shipping Approval	other
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GL



LRS



RINA



RMRS

[Environmental Confirmations](#)

[Confirmation](#)

other

[other](#)



VDE

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

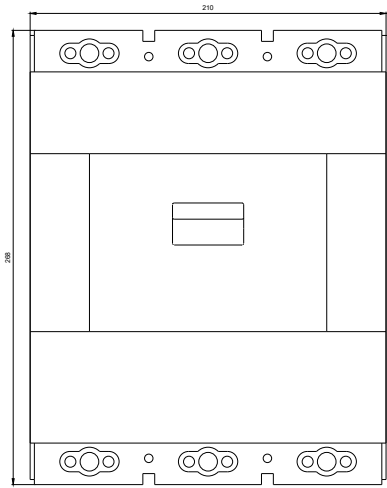
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV10837JL10>

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

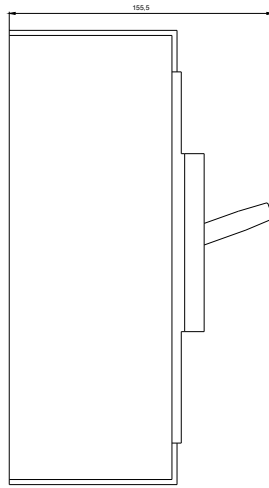
<http://support.automation.siemens.com/WW/view/en/3RV10837JL10/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV10837JL10&lang=en



last modified:



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