

MOLDED CASE CIRC.BREAKER 3RV1 FOR MOTOR PROTECTION STANDARD SWITCHING CAPACITY RATED CURRENT IN=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

General technical data:		
product brand name		SIRIUS
Product designation		molded-case circuit breaker
Size of the circuit-breaker		3RV1.8
Number of poles / for main current circuit		3
Product function		
• removable terminal for auxiliary and control circuit		No
• overload protection		Yes
• phase disturbance recognition		Yes
• short-circuit to earth recognition		No
Product component		
• auxiliary switch		No
• undervoltage release mechanism		No
• trip indicator		No
Product extension		
• auxiliary switch		Yes
• optional / motor drive		No
Impulse voltage resistance / rated value	V	8,000
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe
Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		25g / 11 ms
Ambient temperature		
• during transport	°C	-40 ... +70
• during storage	°C	-40 ... +70
• during operating	°C	-25 ... +50
Main circuit:		
Operating voltage / rated value	V	690

Service power / at AC-3 / at 400 V / rated value	kW	355
Operating current / at AC-3 / at 400 V / rated value	A	800
Mechanical operating cycles as operating time / of the main contacts / typical		20,000
Frequency of operation / with AC-3 / maximum	1/h	15

Auxiliary circuit:

Number of changeover contacts / for auxiliary contacts

0

Protection function:

Trip class

CLASS 10, 20 and 30 adjustable

Adjustable response current / of the current-dependent overload release

A

252 ... 630

Installation/mounting/dimensions:

Mounting type

screw fixing

mounting position

any

Depth

mm

103.5

Height

mm

268

Width

mm

210

Connections:

Arrangement of electrical connectors / for main current circuit

front side

Design of the electrical connection

- for main current circuit
- for auxiliary and control current circuit

screw-type terminals

screw-type terminals

Certificates/approvals:

General Product Approval

Declaration of Conformity

Test Certificates



[Special Test Certificate](#)

Shipping Approval



ABS



BUREAU VERITAS



DNV



GL



LRS



RINA

Shipping Approval

other



RMRS

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

Further information:

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

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

Industry Mall (Online ordering system)

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

Cax online generator:

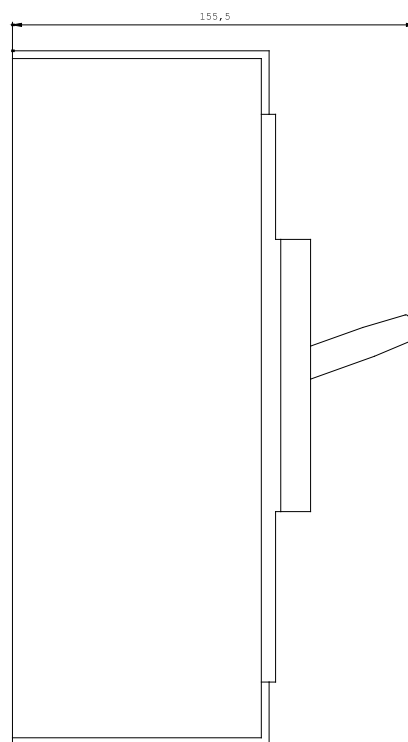
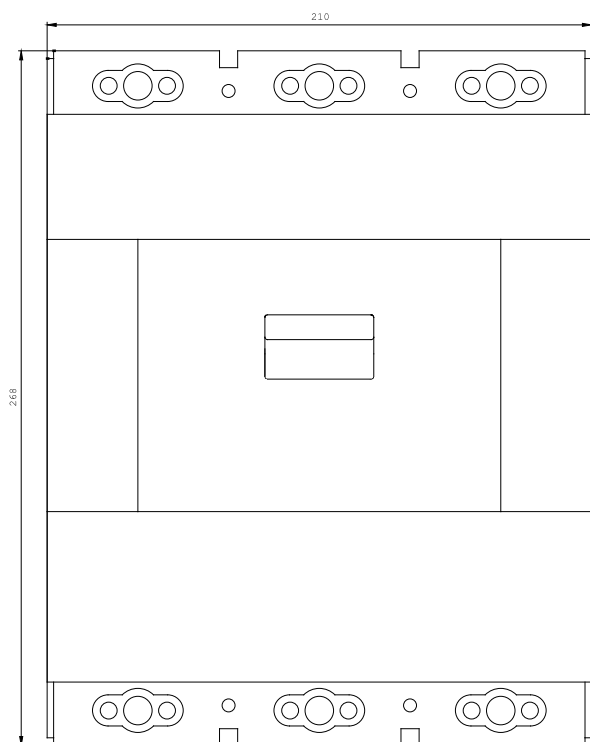
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RV1083-7JL10/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1083-7JL10



last change:

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