



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

General technical data:		
product brand name		SIRIUS
Product designation		molded-case circuit breaker
Size of the circuit-breaker		3RV1.6
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

<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000
<b>Resistance against shock</b>		25g / 11 ms
<b>Ambient temperature</b>		
• during transport	°C	-40 ... +70
• during storage	°C	-40 ... +70
• during operating	°C	-25 ... +60

#### Main circuit:

<b>Operating voltage / rated value</b>	V	690
<b>Service power / at AC-3 / at 400 V / rated value</b>	kW	55
<b>Operating current / at AC-3 / at 400 V / rated value</b>	A	250
<b>Mechanical operating cycles as operating time / of the main contacts / typical</b>		20,000
<b>Frequency of operation / with AC-3 / maximum</b>	1/h	15

#### Auxiliary circuit:

<b>Number of changeover contacts / for auxiliary contacts</b>		0
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#### Protection function:

<b>Trip class</b>		CLASS 10, 20 and 30 adjustable
<b>Adjustable response current / of the current-dependent overload release</b>	A	40 ... 100

#### Installation/mounting/dimensions:

<b>Mounting type</b>		screw fixing
<b>mounting position</b>		any
<b>Depth</b>	mm	103.5
<b>Height</b>	mm	205
<b>Width</b>	mm	105

#### Connections:

<b>Arrangement of electrical connectors / for main current circuit</b>		front side
<b>Design of the electrical connection</b>		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals

#### Certificates/approvals:

General Product Approval

Test Certificates



[Special Test Certificate](#)

Shipping Approval



Shipping Approval

other



[Confirmation](#)

[Declaration of Conformity](#)

[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:**

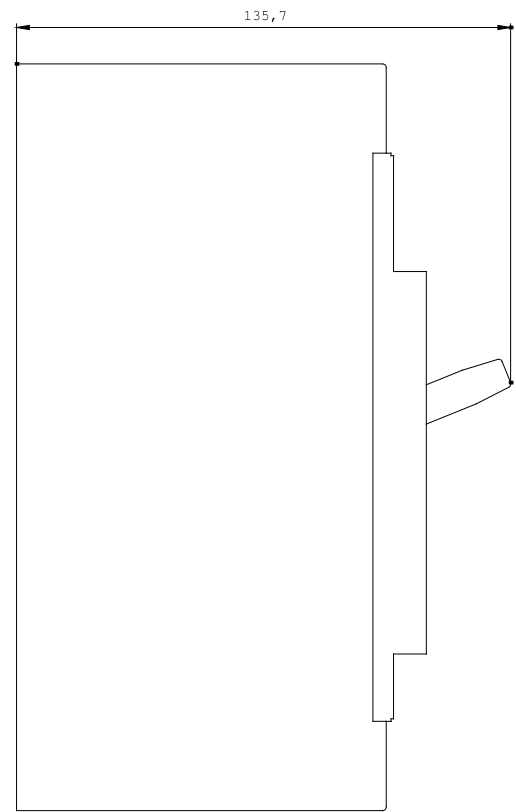
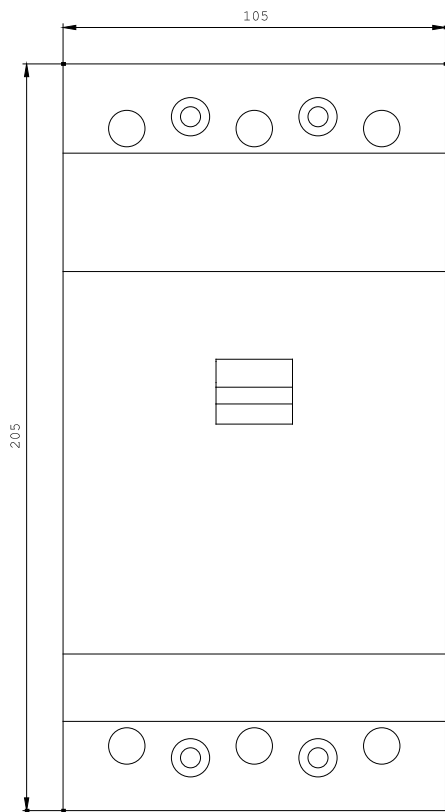
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RV1063-7AL10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RV1063-7AL10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1063-7AL10)



last change:

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