

MOLDED CASE CIRC.BREAKER 3RV1 FOR  
STARTER COMBINATION STANDARD SWITCHING  
CAPACITY RATED CURRENT IN=800A ELECTRONIC  
RELEASE SHORT-CIRCUIT PROTECTION  
ADJUSTABLE 1-10XLN ICU =100KA AT 400V 3-POLE,  
SCREW TERMINAL INCL. PHASE BARRIERS

product brand name		SIRIUS
Product designation		molded-case circuit breaker
Design of the product		for starter combinations

### General technical data:

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

### Main circuit:

<b>Number of poles for main current circuit</b>		3
<b>Operating voltage</b>		
• Rated value	V	690
• at AC-3 Rated value maximum	V	690
<b>Operating current</b>		
• at AC-3		
— at 400 V Rated value	A	800
<b>Operating power</b>		
• at AC-3		
— at 400 V Rated value	kW	400
<b>Operating frequency</b>		
• at AC-3 maximum	1/h	15

### Auxiliary circuit:

<b>Number of CO contacts</b>		
• for auxiliary contacts		0
<b>Product expansion Auxiliary switch</b>		Yes

### Protective and monitoring functions:

<b>Maximum short-circuit current breaking capacity (Icu)</b>		
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- with AC at 240 V Rated value
- with AC at 400 V Rated value
- with AC at 500 V Rated value
- with AC at 690 V Rated value

kA	100
kA	100
kA	65
kA	30

#### Short-circuit:

<b>Design of the overcurrent release and short-circuit release</b>	electronic
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#### Installation/ mounting/ dimensions:

<b>mounting position</b>		any
<b>Mounting type</b>		screw fixing
<b>Height</b>	mm	268
<b>Width</b>	mm	210
<b>Depth</b>	mm	103.5
<b>Required spacing</b>		
<ul style="list-style-type: none"> <li>• with side-by-side mounting <ul style="list-style-type: none"> <li>— Backwards</li> <li>— at the side</li> </ul> </li> </ul>	mm	0
	mm	0

#### Connections/ Terminals:

<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control current circuit</li> </ul>		screw-type terminals screw-type terminals
<b>Arrangement of electrical connectors for main current circuit</b>		front side
<b>Product function</b>		
<ul style="list-style-type: none"> <li>• removable terminal for auxiliary and control circuit</li> </ul>		No

#### Safety related data:

<b>Protection against electrical shock</b>	finger-safe
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#### Mechanical data:

<b>Size of the circuit-breaker</b>	<a href="#">3RV1.8</a>
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#### Ambient conditions:

<b>Installation altitude at height above sea level maximum</b>	m	2 000
<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	°C	-25 ... +50
	°C	-40 ... +70
	°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

[other](#)

[Confirmation](#)

other
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[Environmental Confirmations](#)



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&mfb=3RV13837KN10>

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

<http://support.automation.siemens.com/WW/view/en/3RV13837KN10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RV13837KN10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RV13837KN10&lang=en)

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