

Molded case circuit breaker 3RV1 for starter combination Standard switching capacity Rated current  $I_n = 800$  A electronic release Short-circuit protection adjustable  $1-10 \times I_n$   $I_{cu} = 100$  kA at 400 V 3-pole, Screw terminal including phase barriers

product brand name	SIRIUS
product designation	molded-case circuit breaker
design of the product	for starter combinations
product type designation	3RV1
<b>General technical data</b>	
product extension auxiliary switch	Yes
surge voltage resistance rated value	8 000 V
protection class IP on the front	IP20
shock resistance	12g / 11 ms
mechanical service life (operating cycles) of the main contacts typical	20 000
continuous current rated value	800 A
Substance Prohibitance (Date)	01/08/2008
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-25 ... +50 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
<b>Main circuit</b>	
number of poles for main current circuit	3
operating voltage	
• rated value	690 V
• rated value	20 ... 690 V
• at AC-3 rated value maximum	690 V
operational current at AC-3 at 400 V rated value	800 A
operating power at AC-3	
• at 400 V rated value	400 kW
operating frequency at AC-3 maximum	15 1/h
<b>Auxiliary circuit</b>	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
<b>Protective and monitoring functions</b>	
product function	
• ground fault detection	No
• phase failure detection	No
maximum short-circuit current breaking capacity ( $I_{cu}$ )	
• at AC at 240 V rated value	100 kA
• at AC at 400 V rated value	100 kA
• at AC at 500 V rated value	65 kA
• at AC at 690 V rated value	30 kA
response value current of instantaneous short-circuit trip unit	8 000 A
<b>Short-circuit protection</b>	
design of the short-circuit trip	electronic
design of the overcurrent release and short-circuit release	electronic
<b>Installation/ mounting/ dimensions</b>	
mounting position	any
fastening method	screw fixing

height	268 mm
width	210 mm
depth	103.5 mm
required spacing with side-by-side mounting	
• backwards	0 mm
• at the side	0 mm

#### Connections/ Terminals

product component removable terminal for auxiliary and control circuit	No
type of electrical connection	
• for main current circuit	screw-type terminals
• for auxiliary and control circuit	screw-type terminals
arrangement of electrical connectors for main current circuit	front side

#### Safety related data

touch protection against electrical shock	finger-safe
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#### Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates	Marine / Shipping
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[Confirmation](#)



[Special Test Certificate](#)



Marine / Shipping	other
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[Miscellaneous](#)

[Confirmation](#)

other	Railway
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[Special Test Certificate](#)

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1383-7KN10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1383-7KN10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1383-7KN10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RV1383-7KN10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1383-7KN10&lang=en)

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1383-7KN10/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1383-7KN10&objecttype=14&gridview=view1>

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