

Molded case circuit breaker 3RV1 for starter combination Standard switching capacity Rated current $I_n = 160$ A electronic release Short-circuit protection adjustable $1-10 \times I_n$ $I_{cu} = 120$ 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

General technical data

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 (switching cycles)	
• of the main contacts typical	20 000
continuous current rated value	160 A

Ambient conditions

• installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-25 ... +70 °C

- during storage -40 ... +70 °C
- during transport -40 ... +70 °C

Main circuit

number of poles for main current circuit	3
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operational current	
• at AC-3	
— at 400 V rated value	160 A
operating power	
• at AC-3	
— at 400 V rated value	90 kW
operating frequency	
• at AC-3 maximum	15 1/h

Auxiliary circuit

number of CO contacts	
• for auxiliary contacts	0

Protective and monitoring functions

product function	
• ground fault detection	No
• phase failure detection	No
breaking capacity maximum short-circuit current (I_{cu})	
• at AC at 240 V rated value	100 kA
• at AC at 400 V rated value	120 kA
• at AC at 500 V rated value	85 kA
• at AC at 690 V rated value	70 kA

Short-circuit protection

design of the overcurrent release and short-circuit release	electronic
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Installation/ mounting/ dimensions

mounting position	any
fastening method	screw fixing
height	205 mm
width	105 mm
depth	103.5 mm
required spacing	
• with side-by-side mounting	
— backwards	0 mm
— at the side	0 mm

Connections/ Terminals

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

Certificates/ approvals

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

[Special Test Certificate](#)



Marine / Shipping

other



LRS



RINA



RMRS



[Miscellaneous](#)

[Confirmation](#)

other

Railway



VDE

[Special Test Certificate](#)

Further information

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=3RV1363-7CN10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1363-7CN10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1363-7CN10>

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

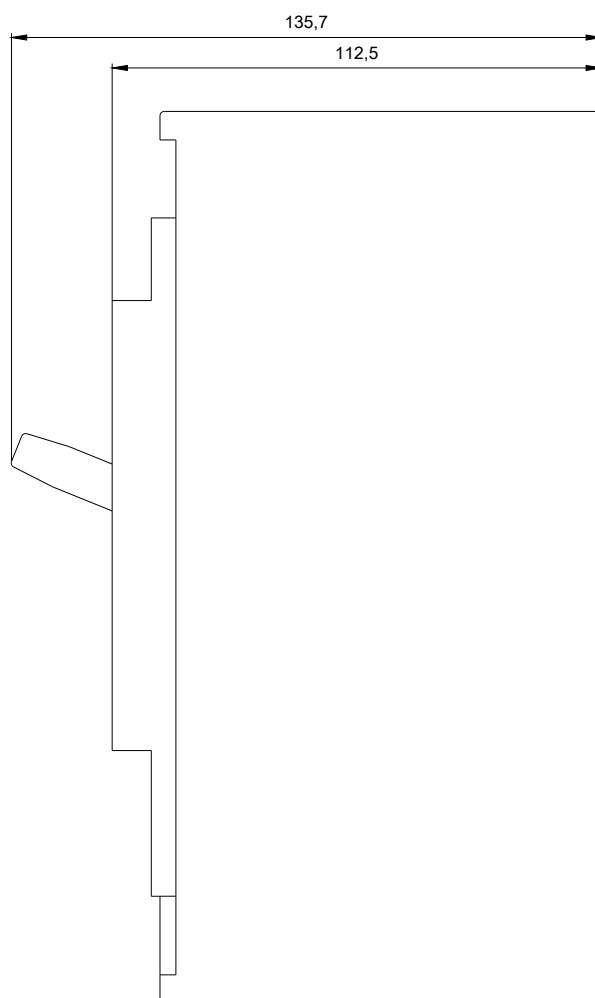
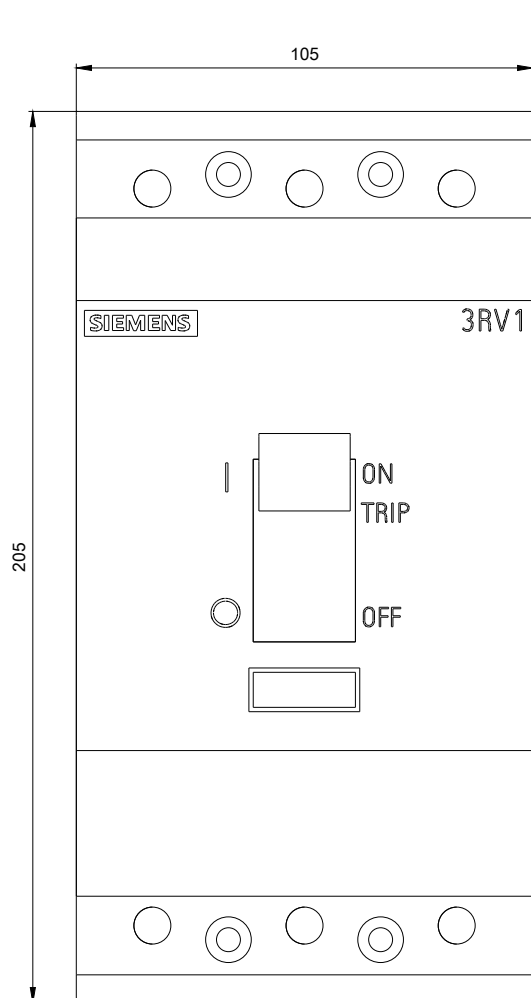
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1363-7CN10&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1363-7CN10/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1363-7CN10&objecttype=14&gridview=view1>



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