

MOLDED CASE CIRC.BREAKER 3RV1 FOR
STARTER COMBINATION INCREASED SWITCHING
CAPACITY RATED CURRENT IN=100A ELECTRONIC
RELEASE SHORT-CIRCUIT PROTECTION
ADJUSTABLE 1-10XLN ICU =200KA 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:

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

Main circuit:

Number of poles for main current circuit		3
Operating voltage		
• Rated value	V	690
• at AC-3 Rated value maximum	V	690
Operating current		
• at AC-3		
— at 400 V Rated value	A	100
Operating power		
• at AC-3		
— at 400 V Rated value	kW	55
Operating frequency		
• at AC-3 maximum	1/h	15

Auxiliary circuit:

Number of CO contacts		
• for auxiliary contacts		0
Product expansion Auxiliary switch		Yes

Protective and monitoring functions:

Maximum short-circuit current breaking capacity (Icu)		
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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	200
kA	150
kA	80

Short-circuit:

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

mounting position		any
Mounting type		screw fixing
Height	mm	205
Width	mm	105
Depth	mm	103.5
Required spacing		
<ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — Backwards — at the side 	mm	0
	mm	0

Connections/ Terminals:

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

Safety related data:

Protection against electrical shock	finger-safe
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Mechanical data:

Size of the circuit-breaker	3RV1.6
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Ambient conditions:

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

Certificates/ approvals:

General Product Approval	Test Certificates	Shipping Approval
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[Special Test Certificate](#)



GL

Shipping Approval	other
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RINA



RMRS

[Environmental Confirmations](#)

[other](#)

[Confirmation](#)

[Declaration of Conformity](#)

other



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=3RV13647AN10>

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

<http://support.automation.siemens.com/WW/view/en/3RV13647AN10/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=3RV13647AN10&lang=en

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