



MOLDED CASE CIRC.BREAKER 3RV1 FOR STARTER
COMBINATION STANDARD SWITCHING CAPACITY
RATED CURRENT IN=630A ELECTRONIC RELEASE
SHORT-CIRCUIT PROTECTION ADJUSTABLE 1-10XLN
ICU =100KA 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		3RV1.8
Number of poles / for main current circuit		3
Product function		
• removable terminal for auxiliary and control circuit		No
• overload protection		No
• phase disturbance recognition		No
• 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

Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		25g / 11 ms
Ambient temperature		
• during transport	°C	-40 ... +70
• during storage	°C	-40 ... +70
• during operating	°C	-25 ... +50

Main circuit:

Operating voltage / rated value	V	690
Service power / at AC-3 / at 400 V / rated value	kW	355
Operating current / at AC-3 / at 400 V / rated value	A	630
Mechanical operating cycles as operating time / of the main contacts / typical		20,000
Frequency of operation / with AC-3 / maximum	1/h	15

Auxiliary circuit:

Number of changeover contacts / for auxiliary contacts		0
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Installation/mounting/dimensions:

Mounting type		screw fixing
mounting position		any
Depth	mm	103.5
Height	mm	268
Width	mm	210

Connections:

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

Certificates/approvals:

General Product Approval	Declaration of Conformity	Test Certificates			
	 EG-Konf.	Special Test Certificate			
Shipping Approval					
 ABS	 BUREAU VERITAS	 DNV	 GL	 LRS	 RINA
Shipping Approval	other				
 RMRS	Confirmation	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/3RV1383-7JN10/all					
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1383-7JN10					

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