

CIRCUIT-BREAKER, 100 A, N-RELEASE 1235 A, SIZE S3,
STARTER PROTECTION, 100 KA, SCREW CONNECTION
INCREASED BREAKING CAPACITY



Figure similar

product brandname	SIRIUS
Product designation	circuit breaker
Design of the product	for starter combinations

General technical data

Product extension	
<ul style="list-style-type: none"> Auxiliary switch 	Yes
Power loss [W] total typical	38 W
Surge voltage resistance rated value	6 000 V
Protection class IP	
<ul style="list-style-type: none"> on the front 	IP20
Shock resistance	25g / 11 ms
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> of the main contacts typical 	50 000

Ambient conditions

Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	

- during operation -20 ... +60 °C
- during storage -50 ... +80 °C
- during transport -50 ... +80 °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
Operating current	
• at AC-3	
— at 400 V rated value	100 A
Operating power	
• at AC-3	
— at 400 V rated value	45 kW
Operating frequency	
• at AC-3 maximum	15 1/h

Auxiliary circuit

Number of CO contacts	
• for auxiliary contacts	0

Protective and monitoring functions

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	10 kA
• at AC at 690 V rated value	6 kA

Short-circuit protection

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

Mounting position	any
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Height	165 mm
Width	70 mm
Depth	174 mm
Required spacing	
• with side-by-side mounting	
— Backwards	0 mm
— at the side	0 mm

Connections/Terminals

Product function	No
<ul style="list-style-type: none"> removable terminal for auxiliary and control circuit 	
Type of electrical connection	screw-type terminals with box terminals screw-type terminals
<ul style="list-style-type: none"> for main current circuit for auxiliary and control current circuit 	
Arrangement of electrical connectors for main current circuit	front side
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> for main contacts <ul style="list-style-type: none"> — solid — stranded — finely stranded with core end processing at AWG conductors for main contacts 	2x (2.5 ... 16 mm ²) 2x (10 ... 50 mm ²), 1x (10 ... 70 mm ²) 2x (2.5 ... 35 mm ²), 2.5 ... 50 mm ² 2x (10 ... 1), 1x (10 ... 2)

Certificates/approvals

General Product Approval					Declaration of Conformity	Test Certificates
						spezielle Prüfbescheinigungen n
CCC	CSA	UL		EG-Konf.		
Shipping Approval						other
						Bestätigungen
ABS		DNV	GL	RMRS		
other						
sonstig	Umweltbestätigung					
		VDE				

Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

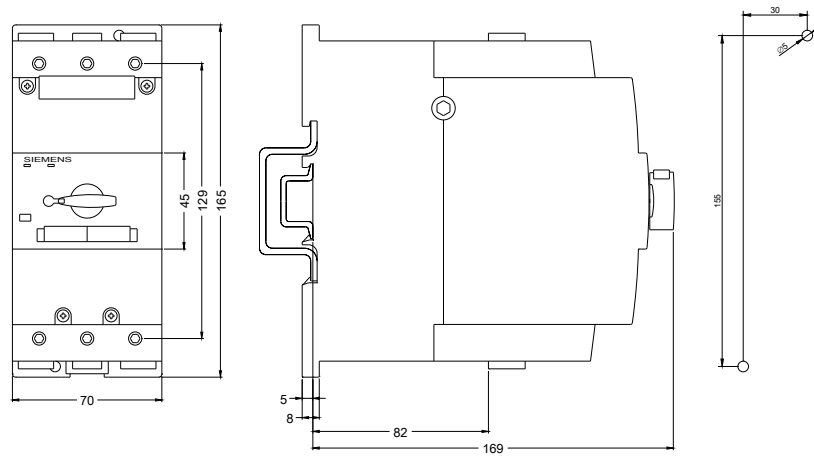
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1342-4MC10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1342-4MC10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1342-4MC10>



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