

CIRCUIT-BREAKER SIZE S3 A-RELEASE 28...40 A, N-RELEASE 520A, MOTOR PROTECTION UP TO 100 KA, CLASS 20, SCREW CONNECTION, INCREASED BREAKING CAPACITY



Figure similar

product brand name	SIRIUS
Product designation	circuit breaker
Design of the product	for motor protection

General technical data:

Product expansion	
• Auxiliary switch	Yes
Power loss [W] total typical	20 W
Surge voltage resistance rated value	6 000 V
Protection class IP	
• on the front	IP20
Shock resistance	25g / 11 ms
Mechanical service life (switching cycles)	
• 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:

Adjustable response value current of the current-dependent overload release	28 ... 40 A
Operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
Operating current	
• at AC-3	
— at 400 V rated value	40 A
Operating power	
• at AC-3	
— at 400 V rated value	18.5 kW
Operating frequency	
• at AC-3 maximum	15 1/h

Auxiliary circuit:

Number of CO contacts	
• for auxiliary contacts	0

Protective and monitoring functions:

Trip class	Class 20
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	18 kA
• at AC at 690 V Rated value	12 kA

Short-circuit protection

Design of the overcurrent release and short-circuit release	thermomagnetic
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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 Prüfbescheinigung n	
CCC	CSA	UL		EG-Konf.			
Shipping Approval						other	
						Umweltbestätigung	
ABS		DNV	GL	RMRS			
other							
Bestätigungen	sonstig						
		VDE					

Further information

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

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

Industry Mall (Online ordering system)

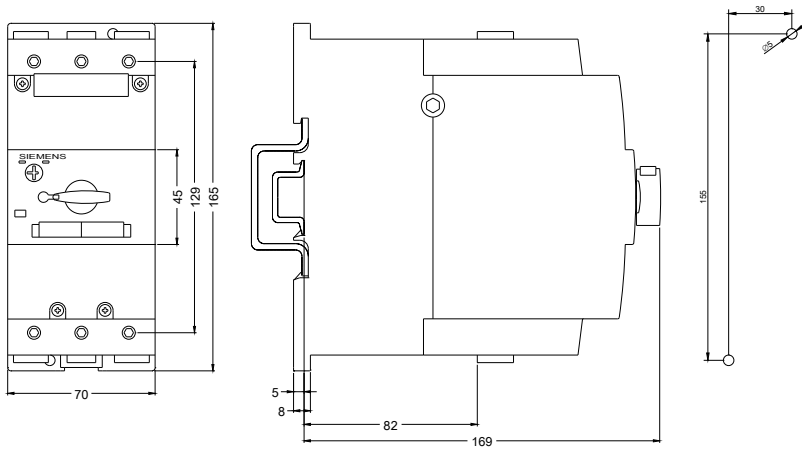
<http://www.siemens.com/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV10424FB10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV10424FB10>



last modified:

11.12.2015