

CIRCUIT-BREAKER 36...45 A, N-RELEASE 585 A, SIZE S2,
MOTOR PROTECTION CLASS 10 SCREW CONNECTION
STANDARD BREAKING CAPACITY



Figure similar

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

General technical data:

Product extension	
<ul style="list-style-type: none"> Auxiliary switch 	Yes
Power loss [W] total typical	20 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	
<ul style="list-style-type: none"> during operation 	-20 ... +60 °C
<ul style="list-style-type: none"> during storage 	-50 ... +80 °C

- during transport

-50 ... +80 °C

Main circuit:

Adjustable pick-up value current of the current-dependent overload release	36 ... 45 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	45 A
Operating power	
• at AC-3	
— at 400 V rated value	22 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 10
Maximum short-circuit current breaking capacity (I_{cu})	
• at AC at 240 V rated value	100 kA
• at AC at 400 V rated value	50 kA
• at AC at 500 V rated value	10 kA
• at AC at 690 V rated value	4 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	140 mm
Width	55 mm
Depth	149 mm
Required spacing	
• with side-by-side mounting	
— Backwards	0 mm
— at the side	0 mm

Connections/ Terminals:

Product function	
<ul style="list-style-type: none"> removable terminal for auxiliary and control circuit 	No
Type of electrical connection	
<ul style="list-style-type: none"> for main current circuit for auxiliary and control current circuit 	screw-type terminals with box terminals screw-type terminals
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 (0.75 ... 16 mm ²) 2x (0.75 ... 25 mm ²), 1x (0.75 ... 35 mm ²) 2x (0.75 ... 16 mm ²), 0.75 ... 25 mm ² 2x (18 ... 2), 1x (18 ... 2)

Certificates/approvals

General Product Approval			For use in hazardous locations		
					
CCC	CSA	UL	EAC	ATEX	IECEX
Declaration of Conformity	Test Certificates	Shipping Approval			
	spezielle Prüfbescheinigung n				
EG-Konf.		ABS	BUREAU VERITAS	DNV	GL
Shipping Approval	other				
	Umweltbestätigung	Bestätigungen	sonstig		
RMRS				VDE	

Further information

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

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

Industry Mall (Online ordering system)

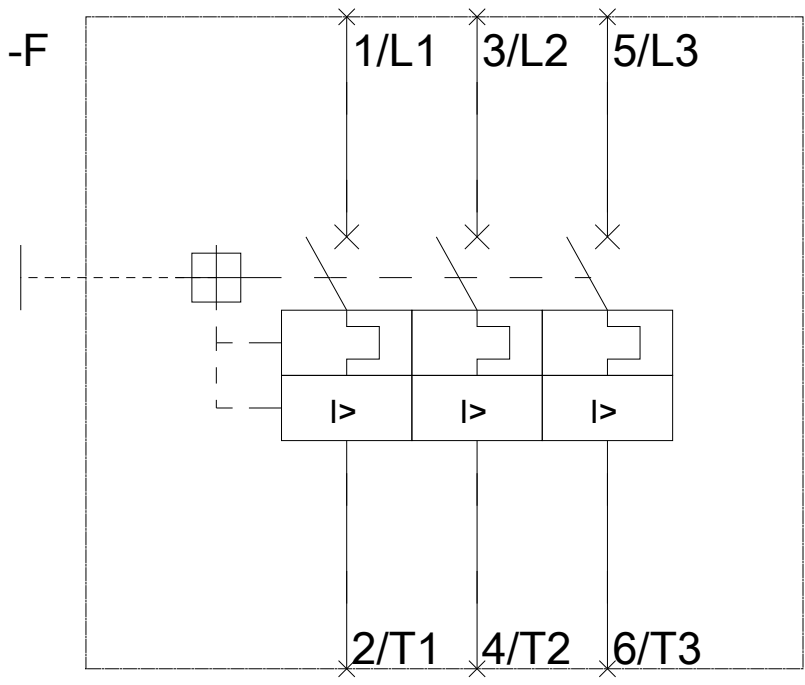
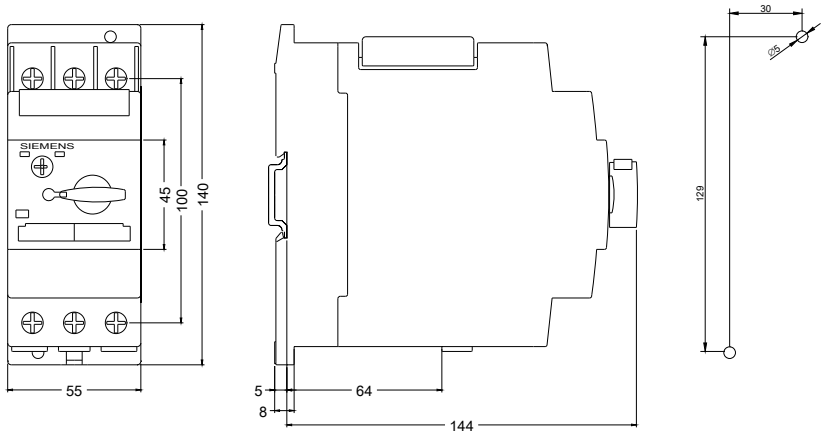
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV10314GA10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV10314GA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV10314GA10>



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