



CIRCUIT-BREAKER, SIZE S3, FOR THE PLANT PROTECTION, WITH APPROBATION CIRC.-BREAKER UL 489, CSA C22.2 NO.5-02, A-TRIGGER 10 A, N-TRIGGER 150 A, SCREW CONNECTION, STANDARD SWITCHING CAPACITY

Figure similar

product brand name		SIRIUS
Product designation		circuit breaker
Design of the product		for plant protection according to UL 489/CSA C22.2 No.5-02

General technical data:

Active power loss total typical	W	8
Shock resistance		25g / 11 ms
Surge voltage resistance Rated value	V	6 000
Mechanical service life (switching cycles)		
• of the main contacts typical		50 000
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
Adjustable response value current of the current-dependent overload release	A	10 ... 10
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	10
Operating frequency		

- at AC-3 maximum

1/h	15
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Auxiliary circuit:

Number of CO contacts		
<ul style="list-style-type: none"> • for auxiliary contacts 		0
Product expansion Auxiliary switch		Yes

Protective and monitoring functions:

Maximum short-circuit current breaking capacity (Icu)		
<ul style="list-style-type: none"> • with AC at 240 V Rated value 	kA	100
<ul style="list-style-type: none"> • with AC at 400 V Rated value 	kA	100
<ul style="list-style-type: none"> • with AC at 500 V Rated value 	kA	30
<ul style="list-style-type: none"> • with AC at 690 V Rated value 	kA	12
<ul style="list-style-type: none"> • at 480 AC Y/277 V acc. to UL 489 Rated value 	kA	65

Short-circuit:

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	mm	168
Width	mm	70
Depth	mm	174
Required spacing		
<ul style="list-style-type: none"> • with side-by-side mounting 		
— Backwards	mm	0
— at the side	mm	0

Connections/ Terminals:

Type of electrical connection		
<ul style="list-style-type: none"> • for main current circuit 		screw-type terminals with box terminals
<ul style="list-style-type: none"> • for auxiliary and control current circuit 		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
Type of connectable conductor cross-section		
<ul style="list-style-type: none"> • for main contacts 		
— solid		2x (2.5 ... 16 mm ²)
— stranded		2x (10 ... 50 mm ²), 1x (10 ... 70 mm ²)
— finely stranded with core end processing		2x (2.5 ... 35 mm ²), 2.5 ... 50 mm ²
<ul style="list-style-type: none"> • for AWG conductors for main contacts 		2x (10 ... 1), 1x (10 ... 2)

Safety related data:

Protection against electrical shock	finger-safe
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Mechanical data:



Size of the circuit-breaker	S3
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Ambient conditions:

Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during operation	°C	-20 ... +60
• during storage	°C	-50 ... +80
• during transport	°C	-50 ... +80

Certificates/ approvals:

General Product Approval	Test Certificates	Shipping Approval
 CCC	 UL	 ABS
 CSA	 EAC	Special Test Certificate

Shipping Approval	other
 RMRS	Environmental Confirmations
	Declaration of Conformity
	other
	Confirmation
	 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

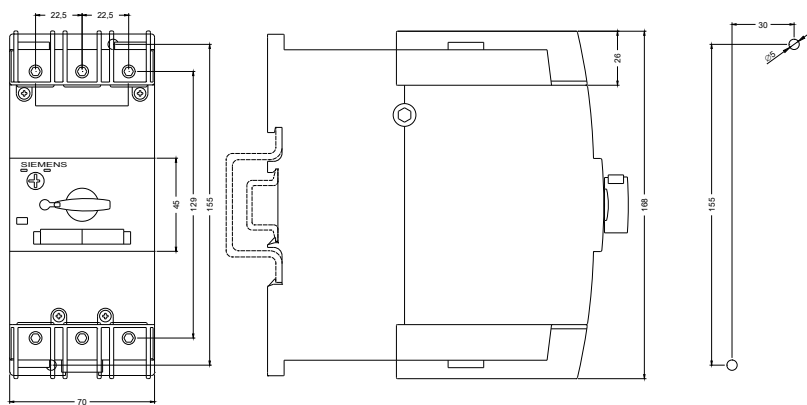
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV17425AD10>

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

<http://support.automation.siemens.com/WW/view/en/3RV17425AD10/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV17425AD10&lang=en



last modified:

11.03.2015