



CIRCUIT-BREAKER, SIZE S3, FOR THE PLANT PROTECTION, WITH APPROBATION CIRC.-BREAKER UL 489, CSA C22.2 NO.5-02, A-TRIGGER 25 A, N-TRIGGER 325 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:

Product expansion	
• Auxiliary switch	Yes
Active power loss total typical	12 W
Surge voltage resistance Rated value	6 000 V
Protection class IP	
• on the front	IP20
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	25 ... 25 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	25 A
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 (Icu)	
• at AC at 240 V Rated value	100 kA
• with AC at 400 V Rated value	100 kA
• at AC at 500 V Rated value	30 kA
• at AC at 690 V Rated value	12 kA
• at 480 AC Y/277 V acc. to UL 489 Rated value	65 kA

Short-circuit:

Design of the overcurrent release and short-circuit release	thermomagnetic
--	----------------

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	168 mm
Width	70 mm
Depth	174 mm
Required spacing	
• with side-by-side mounting — Backwards — at the side	0 mm 0 mm

Connections/ Terminals:

Product function	
• removable terminal for auxiliary and control circuit	No
Type of electrical connection	
• 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-section	
• for main contacts	

- solid
- stranded
- finely stranded with core end processing
- for AWG conductors for main contacts

2x (2.5 ... 16 mm²)
 2x (10 ... 50 mm²), 1x (10 ... 70 mm²)
 2x (2.5 ... 35 mm²), 2.5 ... 50 mm²
 2x (10 ... 1), 1x (10 ... 2)

Mechanical data:

Size of the circuit-breaker S3

Certificates/ approvals:

General Product Approval

Declaration of Conformity

Test Certificates



[spezielle
Prüfbescheinigungen](#)
[n](#)

Shipping Approval

other



[Bestätigungen](#)

[Umweltbestätigung](#)

[sonstig](#)



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

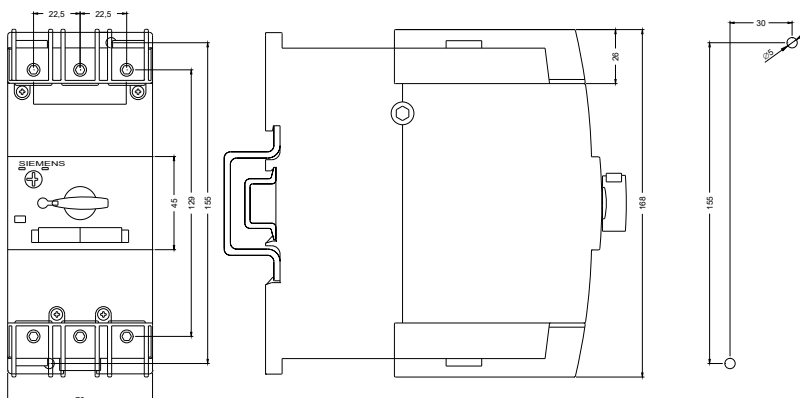
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV17425DD10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV17425DD10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV17425DD10&lang=en



last modified:

29.06.2015