

CIRCUIT-BREAKER SIZE S3 A-RELEASE 70...90 A,
N-RELEASE 1170 A MOTOR PROTECTION,
CLASS 10 SCREW CONNECTION STANDARD BREAKING
CAPACITY REUSABLE PACKING PACKING = 15 ITEMS

General technical data:		
product brand name		SIRIUS
product designation		circuit breaker
Size of the circuit-breaker		S3
Number of poles / for main current circuit		3
Product function <ul style="list-style-type: none"> • removable terminal for auxiliary and control circuit • overload protection • phase disturbance recognition • short-circuit to earth recognition 		No Yes Yes No
Product component <ul style="list-style-type: none"> • auxiliary switch • undervoltage release mechanism • trip indicator 		No No No
Product extension <ul style="list-style-type: none"> • auxiliary switch • optional / motor drive 		Yes Yes
Impulse voltage resistance / rated value	V	6,000
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe
Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		25g / 11 ms
Ambient temperature <ul style="list-style-type: none"> • during transport • during storage • during operating 	°C °C °C	-50 ... +80 -50 ... +80 -20 ... +70
Active power loss / total / typical	W	30
Main circuit:		
Operating voltage / rated value	V	690
type of voltage		AC/DC

Service power / at AC-3 / at 400 V / rated value	kW	45
Operational current / at AC-3 / at 400 V / rated value	A	90
Mechanical operating cycles as operating time / of the main contacts / typical		50,000
Frequency of operation / at AC-3 / according to IEC 60947-6-2	1/h	15

Auxiliary circuit:

Number of change-over switches / for auxiliary contacts

0

Protection function:

Trip class

CLASS 10

Adjustable response current / of the current-dependent overload release

A 70 ... 90

Breaking capacity limit short-circuit current (I_{cu})

- at 400 V / rated value
- at 500 V / rated value
- at 690 V / rated value

kA 50
kA 8
kA 5

Installation/mounting/dimensions:

Type of mounting

screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022

mounting position

any

Depth

mm 174

Height

mm 165

Width

mm 70

Connections:

Arrangement of electrical connectors / for main current circuit

front side

Design of the electrical connection

- for main current circuit
- for auxiliary and control current circuit

screw-type terminals with box terminals
screw-type terminals

Type of the connectable conductor cross-section

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

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

Certificates/approvals:

General Product Approval

For use in hazardous locations

Test Certificates



CCC



CSA



GOST



UL



ATEX

[Special Test Certificate](#)

Shipping Approval



ABS



BUREAU VERITAS



DNV



LRS



RMRS

other

[Confirmation](#)

[Declaration of Conformity](#)

[other](#)

[Environmental Confirmations](#)

Further information:

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

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

Industry Mall (Online ordering system)

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

Cax online generator:

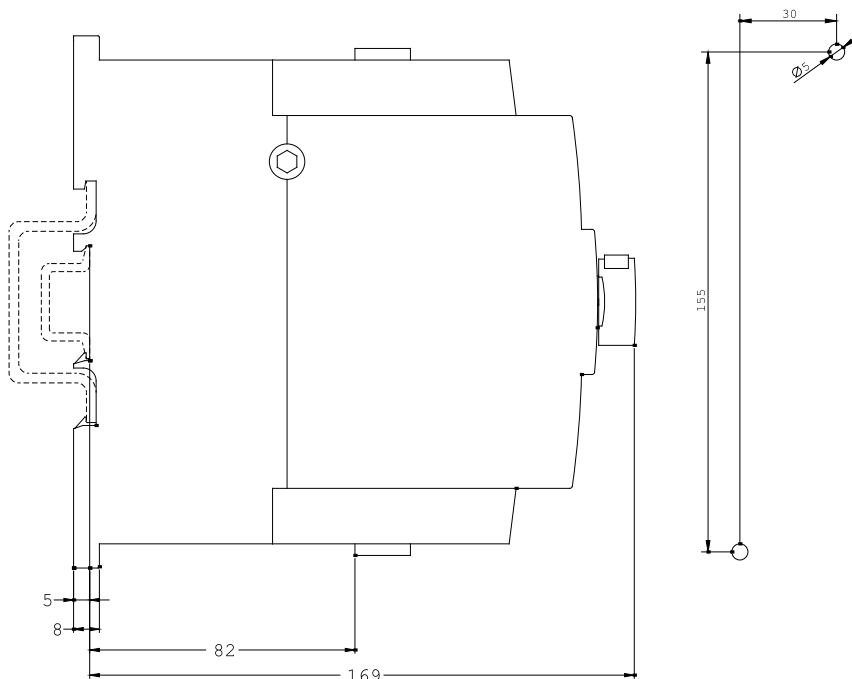
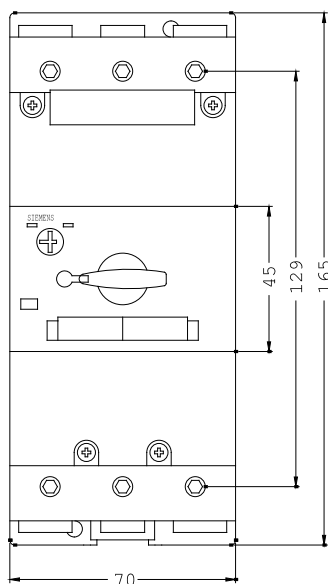
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RV1041-4LA10-ZX95/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1041-4LA10-ZX95



last change:

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