



CIRCUIT-BREAKER, SIZE S0,
FOR MOTOR PROTECTION, CLASS 10,
WITH OVERLOAD RELAY FUNCTION A REL.0.45...0.63A,
N REL.8.2A SCREW CONNECTION,
STANDARD BREAKING CAPACITY

General technical data:		
product brand name		SIRIUS
Product designation		circuit breaker
Size of the circuit-breaker		S0
Number of poles / for main current circuit		3
Product function		
• removable terminal for auxiliary and control circuit		No
• overload protection		Yes
• phase disturbance recognition		Yes
• short-circuit to earth recognition		No
Product component		
• auxiliary switch		No
• undervoltage release mechanism		No
• trip indicator		No
Product extension		
• auxiliary switch		Yes
• optional / motor drive		No
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		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +60
Active power loss / total / typical	W	5

Main circuit:		
Operating voltage / rated value	V	690
Service power / at AC-3 / at 400 V / rated value	kW	0.18
Operating current / at AC-3 / at 400 V / rated value	A	0.63
Mechanical operating cycles as operating time / of the main contacts / typical		100,000
Frequency of operation / with AC-3 / maximum	1/h	15

Auxiliary circuit:		
Number of changeover contacts / for auxiliary contacts		0

Protection function:		
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	A	0.45 ... 0.63

Installation/mounting/dimensions:		
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
mounting position		any
Depth	mm	96
Height	mm	97
Width	mm	45

Connections:		
Arrangement of electrical connectors / for main current circuit		front side
Design of the electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
Type of the connectable conductor cross-section		
• for main contacts		
• solid		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
• finely stranded		
• with conductor end processing		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
• stranded		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

• for AWG conductors / for main contacts

2x (14 ... 10)

Certificates/approvals:

General Product Approval



CCC



CSA



UL

Test Certificates

[Special Test Certificate](#)

Shipping Approval



ABS



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/3RV1121-0GA10/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1121-0GA10



