

FUSELESS MOTOR STARTER REVERSING OPERATION 600V AC SZ S00
0.14-0.2A 110/120V AC 50/60HZ SCREW CONNECTION FOR SNAPPING ONTO
60 MM BUSBAR SYSTEMS TYPE OF COORDINATION 2 IQ = 150 KA ALSO
FULFILLS TYPE OF COORDINATION 1 1NO+1NC (MSP) 1NC (PER
CONTACTOR)

product brand name	SIRIUS
product designation	non-fused motor starter 3RA2
design of the product	reversing starter
manufacturer's article number	
• of the supplied contactor	3RT2015-1AK62
• of the supplied circuit-breakers	3RV2011-0BA15
• of the supplied RS assembly kit	3RA2913-1DB1
• of the supplied busbar adapter	8US1251-5DS10
• of the supplied link module	3RA1921-1DA00
General technical data	
size of the circuit-breaker	S00
size of load feeder	S00
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
degree of pollution	3
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	30 000 000
type of assignment	2
Weight	1.31 kg
Ambient conditions	
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-55 ... +80 °C
Main circuit	
number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current-dependent overload release	0.14 ... 0.2 A
operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
operating frequency rated value	50 ... 60 Hz
operational current at AC-3 at 400 V rated value	0.2 A
operating power at AC-3	
• at 400 V rated value	60 W
• at 500 V rated value	60 W
• at 690 V rated value	90 W
Control circuit/ Control	
control supply voltage at AC	
• at 50 Hz rated value	110 V
• at 50 Hz rated value	93.5 ... 121 V
• at 60 Hz rated value	120 V
• at 60 Hz rated value	96 ... 132 V
apparent holding power of magnet coil at AC	4.8 VA
inductive power factor with the holding power of the coil	0.25
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2

number of NO contacts for auxiliary contacts	1		
Protective and monitoring functions			
trip class	CLASS 10		
design of the overload release	thermal (bimetallic)		
response value current of instantaneous short-circuit trip unit	2.6 A		
Short-circuit protection			
product function short circuit protection	Yes		
design of the short-circuit trip	magnetic		
conditional short-circuit current (I _q)			
• at 690 V according to IEC 60947-4-1 rated value	100 000 A		
• at 400 V according to IEC 60947-4-1 rated value	153 000 A		
• at 500 V according to IEC 60947-4-1 rated value	100 000 A		
Installation/ mounting/ dimensions			
mounting position	vertical		
fastening method	for snapping onto 60 mm busbar systems		
height	200 mm		
width	90 mm		
depth	155.1 mm		
required spacing			
• for grounded parts			
— forwards	0 mm		
— backwards	0 mm		
— upwards	20 mm		
— at the side	9 mm		
— downwards	10 mm		
• for live parts			
— forwards	0 mm		
— backwards	0 mm		
— upwards	20 mm		
— downwards	10 mm		
— at the side	9 mm		
Connections/ Terminals			
type of electrical connection for main current circuit	screw-type terminals		
type of connectable conductor cross-sections for main contacts stranded	0.5 ... 4 mm², 2x (0.75 ... 2.5 mm²)		
connectable conductor cross-section for main contacts finely stranded with core end processing	0.5 ... 2.5 mm²		
Safety related data			
proportion of dangerous failures with high demand rate according to SN 31920	73 %		
B10 value with high demand rate according to SN 31920	1 000 000		
Electrical Safety			
protection class IP on the front according to IEC 60529	IP20		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front		
Approvals Certificates			
General Product Approval	For use in hazardous locations	Test Certificates	
 EG-Konf.		 UL	
	 ATEX	Special Test Certificate	
Test Certificates	Marine / Shipping		
Type Test Certificates/Test Report	 ABS	 BUREAU VERITAS	
	 DNV	 LRS	
	 PRS		
Marine / Shipping	other	Railway	Environment



[Confirmation](#)

[Special Test Certificate](#)

[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2215-0BD15-2AK6>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2215-0BD15-2AK6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-0BD15-2AK6>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2215-0BD15-2AK6&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2215-0BD15-2AK6/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2215-0BD15-2AK6&objecttype=14&gridview=view1>

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