SIEMENS

Data sheet

3RA2115-0FA15-1AK6



Fuseless motor starter Direct start 600VAC Size S00 0.35-0.5A 110/120VAC 50/60HZ screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (MSP) 1NO (contactor)

product brand name	SIRIUS		
product designation	non-fused motor starter 3RA2		
design of the product	direct starter		
manufacturer's article number			
 of the supplied contactor 	<u>3RT2015-1AK61</u>		
 of the supplied circuit-breakers 	<u>3RV2011-0FA15</u>		
 of the supplied link module 	<u>3RA1921-1DA00</u>		
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 (switching cycles) of contactor typical	30 000 000		
type of assignment	2		
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	0.35 0.5 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	0.4 A		
operating power at AC-3			
• at 400 V rated value	120 W		
• at 500 V rated value	180 W		
• at 690 V rated value	250 W		
Control circuit/ Control			

General Product Approval		ous locations	Conformity
		For use in hazard-	Declaration of
Certificates/ approvals			
touch protection on the front according to IEC 60529	finger-safe, for vertical conta	act from the front	
protection class IP on the front according to IEC 60529	IP20		
according to SN 31920			
B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate	73 %		
Safety related data B10 value with high demand rate according to SN 31920	1 000 000		
finely stranded with core end processing			
connectable conductor cross-section for main contacts	0.5 2.5 mm²		
 at AWG cables for main contacts 	2x (20 16), only for contactor 2x (18 14), 2x 12		
for main contacts stranded	0.5 4 mm², 2x (0.75 2.5	5 mm²)	
type of connectable conductor cross-sections			
type of electrical connection for main current circuit	screw-type terminals		
Connections/ Terminals			
— at the side	9 mm		
— downwards	10 mm		
— upwards	20 mm		
— backwards	0 mm		
— forwards	0 mm		
 for live parts 	10 mm		
— at the side — downwards	10 mm		
— upwards — at the side	20 mm		
	0 mm 20 mm		
— forwards — backwards	0 mm 0 mm		
for grounded parts forwards	0 mm		
required spacing			
depth	97.1 mm		
width	45 mm		
height width	167.2 mm		
fastening method	Snap-mounted to DIN rail or	screw-mounted with a	dditional push-in lug
mounting position	vertical		
Installation/ mounting/ dimensions			_
-	100 000 A		
 at 400 V according to IEC 60947-4-1 rated value at 500 V according to IEC 60947-4-1 rated value 	153 000 A 100 000 A		
 at 690 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value 	100 000 A 153 000 A		
	100.000 4		
design of the short-circuit trip conditional short-circuit current (Ig)	magnetic		
product function short circuit protection	Yes		
Short-circuit protection	Voc		
unit			
response value current of instantaneous short-circuit trip	6.5 A		
design of the overload release	thermal (bimetallic)		
trip class	CLASS 10		
Protective and monitoring functions			
number of NO contacts for auxiliary contacts	2		
number of NC contacts for auxiliary contacts	1		
Auxiliary circuit			
coil	0.25		
apparent holding power of magnet coil at AC inductive power factor with the holding power of the	0.25		
at 60 Hz rated value	96 132 V 4.8 VA		
at 60 Hz rated value	120 V		
• at 50 Hz rated value	93.5 121 V		
	110 V		

	<u>Confirmation</u>	U	EHC	K ATEX	UK CA			
Declaration of Conformity	Test Certificates		Marine / Shipping					
CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	ABS	B UREAU VERITAS	Lloyd's Register urs			
Marine / Shipping				other	Railway			
PRS	RINA	KMRS	UNV-GL DIVIL COM	<u>Confirmation</u>	Vibration and Shock			
Further information								
https://www.siemens. Industry Mall (Online https://mall.industry.si Cax online generato http://support.automat Service&Support (M https://support.industr Image database (pro http://www.automation Characteristic: Tripp	e ordering system) iemens.com/mall/en/er r tion.siemens.com/WW/ anuals, Certificates, (y.siemens.com/cs/ww/ oduct images, 2D dim n.siemens.com/bilddb/o bing characteristics, I y.siemens.com/cs/ww/	/Catalog/product?mlfb= /CAXorder/default.aspx? Characteristics, FAQs, /en/ps/3RA2115-0FA15- ension drawings, 3D m cax_de.aspx?mlfb=3RA/ 2t, Let-through current /en/ps/3RA2115-0FA15-	?lang=en&mlfb=3RA21) .1AK6 nodels, device circuit 2115-0FA15-1AK6&lan 1AK6/char	<u>15-0FA15-1AK6</u> diagrams, EPLAN ma	acros,)			

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