SIEMENS

Data sheet

3RA2125-4AA26-0AK6



FUSELESS MOTOR STARTER DIRECT START 600V AC SZ S0 11-16A 110/120V AC 50/60HZ SCREW CONNECTION FOR SCREW MOUNTING OR 35 MM RAIL-MOUNTING TYPE OF COORDINATION 2 IQ = 150 KA ALSO FULFILLS TYPE OF COORDINATION 1 1NO+1NC (MSP) 1NO+1NC (CONTACTOR)

product designation non-fused motor starter 3RA2 design of the product drect starter manufacturer's article number if the supplied contactor • of the supplied incult-breakers 3RV2026-1AK60 • of the supplied incult-breakers 3RV2021-4AA15 size of the circuit-breaker S0 size of the circuit-breaker S0 size of the forcuit-breaker S0 product extension auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated 690 V value 690 V degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance acc. to IEC 60068-2-27 6g /11 ms mechanical service life (switching cycles) of contactor 10 000 000 typical 22 ambient temperature during operation -20 +60 °C • ambient temperature during storage -55 +80 °C • ambient temperature during transport -55 +80 °C • ambient temperature during transport -55 +60 °C • operating voltage at AC-3 rated value 690 V • operating voltage at AC-3 rated value maximum 690 V • operating voltage at AC-3 rated value 690 V • operating voltage at AC-3 rated value 690 V • op	product brand name	SIRIUS
manufacturer's article number 3RT2026-1AK60 • of the supplied contactor 3RT2026-1AK60 • of the supplied link module 3RA2921-1AA00 General technical data 3RA2921-1AA00 size of the circuit-breakers S0 size of the circuit-breaker S0 product extension auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated value 680 V degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance acc. to IEC 60068-2-27 6g /11 ms mechanical service life (switching cycles) of contactor typical 10 000 000 type of assignment 2 Ambient conditions -20 +60 °C • ambient temperature during operation -50 +80 °C • ambient temperature during transport -55 +80 °C • ambient temperature during transport -55 +80 °C • operating voltage rate Value 690 V • operating voltage rate Ac-3 rated value 690 V • operating voltage rate Ac-3 rated value 690 V • operating voltage rat Ac-3 rated value	product designation	non-fused motor starter 3RA2
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Main circuit 3 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 11 16 A • operating voltage rated value 690 V • operating voltage at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operating power at AC-3 at 400 V rated value 15.5 A operating power at AC-3 7 500 W • at 400 V rated value 7 500 W • at 500 V rated value 7 500 W Control circuit/ Control Control supply voltage at AC	 ambient temperature during storage 	-50 +80 °C
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operating frequency rated value 50 60 Hz operational current at AC-3 at 400 V rated value 15.5 A operating power at AC-3	 operating voltage rated value 	690 V
operational current at AC-3 at 400 V rated value 15.5 A operating power at AC-3 7 500 W • at 400 V rated value 7 500 W • at 500 V rated value 7 500 W Control circuit/ Control 7 500 W	 operating voltage at AC-3 rated value maximum 	690 V
operating power at AC-3 7 500 W • at 400 V rated value 7 500 W • at 500 V rated value 7 500 W Control circuit/ Control 7 500 W	operating frequency rated value	50 60 Hz
	operational current at AC-3 at 400 V rated value	15.5 A
• at 500 V rated value 7 500 W Control circuit/ Control control supply voltage at AC	operating power at AC-3	
Control circuit/ Control control supply voltage at AC	• at 400 V rated value	7 500 W
control supply voltage at AC		7 500 W
	at 500 V rated value	
• at 50 Hz rated value 110 V		
	Control circuit/ Control	

• at 50 Hz rated value	88 121 V			
• at 60 Hz rated value	120 V			
• at 60 Hz rated value	96 132 V			
apparent holding power of magnet coil at AC	9.4 V·A			
inductive power factor with the holding power of the coil	0.28			
Auxiliary circuit				
number of NC contacts for auxiliary contacts	2			
number of NO contacts for auxiliary contacts	2			
Protective and monitoring functions				
trip class	CLASS 10			
design of the overload release	thermal (bimetallic)			
response value current of instantaneous short-circuit trip unit	208 A			
UL/CSA ratings				
full-load current (FLA) for 3-phase AC motor				
at 480 V rated value	15.2 A			
• at 600 V rated value	12.2 A			
yielded mechanical performance [hp]				
for single-phase AC motor				
— at 110/120 V rated value	1 hp			
— at 230 V rated value	2 hp			
 for 3-phase AC motor 				
- at 200/208 V rated value	3 hp			
— at 220/230 V rated value	5 hp			
— at 460/480 V rated value	10 hp			
— at 575/600 V rated value	10 hp			
Short-circuit protection				
product function short circuit protection	Yes			
design of the short-circuit trip	magnetic			
conditional short-circuit current (lq)	magnetic			
• at 400 V acc. to IEC 60947-4-1 rated value	153 000 A			
 at 500 V acc. to IEC 60947-4-1 rated value 	100 000 A			
Installation/ mounting/ dimensions				
mounting position	vertical			
fastening method	Snap-mounted to DIN rail or screw-mounted with additional push-in lug			
height	- 193.1 mm			
width	45 mm			
depth	97.1 mm			
required spacing				
for grounded parts				
— forwards	10 mm			
— bolwards	0 mm			
— upwards	30 mm			
— at the side	9 mm			
— downwards	10 mm			
 for live parts forwards 	10 mm			
— bolwards				
	0 mm 30 mm			
— upwards — downwards	10 mm			
— downwards — at the side	9 mm			
Connections/ Terminals	3 1111			
	corow two terminals			
type of electrical connection for main current circuit	screw-type terminals			
type of connectable conductor cross-sections	$1 10 \text{ mm}^2 2 \text{ y} (2.5 6 \text{ mm}^2)$			
 for main contacts stranded at AWC schlos for main contacts 	1 10 mm ² , 2x (2.5 6 mm ²)			
at AWG cables for main contacts	2x (16 12), 2x (14 8)			
 connectable conductor cross-section for main 	1 6 mm ²			

contacts for the first		a a a a a la c					
,	anded with core end pr	ocessing					
Safety related data							
B10 value with high de	1 000 000						
proportion of dangerous failures with high demand rate acc. to SN 31920			73 %				
protection class IP on the front acc. to IEC 60529			IP20				
touch protection on t	finger-safe,	for vertical cor	ntact from the front				
Certificates/ approvals	\$						
General Product Approval			haza	For use in hazardous Declaration of Conformity locations			
SF CSA		EHC	1	K ATEX	CE EG-Konf.	<u>Miscellaneous</u>	
Test Certificates		Marine / Ship	ping				
<u>Special Test</u> <u>Certificate</u>	<u>Type Test</u> <u>Certificates/Test</u> <u>Report</u>	ABS			Lloyds Register urs	PRS	
Marine / Shipping			othe	r	Railway		
	RMRS	DNV-GL	<u>C(</u>	onfirmation	Vibration and Shock		
Further information Information- and Dov https://www.siemens.c Industry Mall (Online https://mall.industry.sie	com/ic10 ordering system)	-		25-4AA26-0A	K6		
Cax online generator http://support.automati	r	CAXorder/defaul	lt.aspx?lang=e				

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RA2125-4AA26-0AK6

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

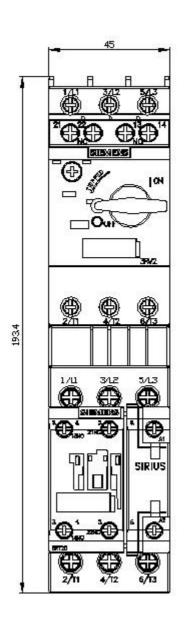
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2125-4AA26-0AK6&lang=en

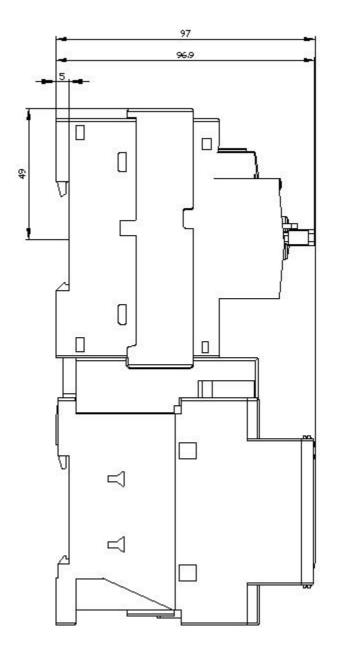
Characteristic: Tripping characteristics, I²t, Let-through current

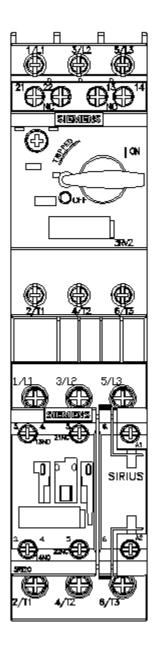
https://support.industry.siemens.com/cs/ww/en/ps/3RA2125-4AA26-0AK6/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2125-4AA26-0AK6&objecttype=14&gridview=view1







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