3RA2125-4BA26-0AK6

Data sheet



FUSELESS MOTOR STARTER DIRECT START 600V AC SZ S0 14-20A 110/120V AC 50/60HZ SCREW CONNECTION FOR SCREW MOUNTING OR 35 MM RAIL-MOUNTING TYPE OF COORDINATION 2 IQ = 50 KA ALSO FULFILLS TYPE OF COORDINATION 1 1NO+1NC (MSP) 1NO+1NC (CONTACTOR)

design of the product design of the product annufacturer's article number of the supplied contactor of the supplied contactor of the supplied contactor of the supplied incruit-breakers of the supplied incruit-breakers size of the supplied incruit-breaker size of the circuit-breaker size of the circuit-breaker size of toad feeder so product extension auxiliary switch product extension auxiliary switch sinsulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 sign of assignment conditions ambient temperature during operation during storage during transport design of the switching contact dependent overload release operating voltage rated value at AC-3 rated value at AC-3 rated value 15.5 A operational current at AC-3 at 400 V rated value 15.5 A operational current at AC-3 at 400 V rated value 15.0 Hz rated value	product brand name	SIRIUS
manufacturer's article number • of the supplied contactor • of the supplied clinich reakers • of the supplied linic module 3RV2021-4BA15 • of the supplied linic module 3RA2821-1AA00 Ceneral technical data size of toad feeder S0 product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value 680 V degree of pollution 3 surge voltage resistance rated value 6 kW shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment Ambient conditions ambient temperature • during storage • during storage • during transport Aduring transport S0 Main circuit number of poles for main current circuit 3 design of the switching contact dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operating frequency rated value operating frequency rated value operating power at AC-3 • at 400 V rated value at 500 V rated v	product designation	non-fused motor starter 3RA2
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size of load feeder S0 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 6kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment Ambient conditions ambient temperature • during operation -20 +60 °C • during storage - 50 +80 °C • during storage - 50 +80 °C Main circuit number of poles for main current circuit adesign of the switching contact electromechanical adjustable current response value current of the current-dependent overload release operating voltage • rated value - at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operating requency rated value 15.5 A operating power at AC-3 • at 400 V rated value 1100 W control supply voltage at AC • at 50 Hz rated value 110 V	 of the supplied circuit-breakers 	3RV2021-4BA15
size of the circuit-breaker S0 size of load feeder S0 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 10 000 000 type of assignment 2 Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -55 +80 °C • during transport -55 +80 °C Main circuit number of poles for main current circuit 3 design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value 690 V operating frequency rated value 50 60 Hz operational current at AC-3 at 400 V rated value 7500 W • at 500 V rated value 7100 W Control sizeuit/ Control control supply voltage at AC • at 50 Hz rated value 88 121 V	 of the supplied link module 	3RA2921-1AA00
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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 10 000 000 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 1 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 operating voltage 690 V • 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 7 500 W • at 500 V rated value 11 000 W Control circuit Control control supply voltage at AC • at 50 Hz rated value 110 V • at 50 Hz rated value 110 V • at 50 Hz rated value 68 121 V	size of load feeder	S0
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type of assignment Ambient conditions ambient temperature • during operation • during storage • during transport Ambient cruit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operating power at AC-3 • at 400 V rated value • at 50 Hz rated value	shock resistance according to IEC 60068-2-27	6g / 11 ms
Ambient conditions ambient temperature • during operation • during storage • during storage • during transport -50 +80 °C Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V operating frequency rated value operating frequency rated value operating Jower at AC-3 • at 400 V rated value • at 50 U vrated value • at 50 Hz rated value • at 50 Hz rated value	mechanical service life (operating cycles) of contactor typical	10 000 000
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during transport	 during operation 	-20 +60 °C
Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V operating frequency rated value operating at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value 11 000 W Control circuit/ Control control supply voltage at AC • at 50 Hz rated value • at 50 Hz rated value 110 V • at 50 Hz rated value 88 121 V	during storage	-50 +80 °C
number of poles for main current circuit design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operating frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value control circuit/ Control control supply voltage at AC • at 50 Hz rated value 110 V • at 50 Hz rated value 88 121 V	 during transport 	-55 +80 °C
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operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value Control circuit/ Control control supply voltage at AC • at 50 Hz rated value 110 V • at 50 Hz rated value 88 121 V	rated value	690 V
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at 400 V rated value at 500 V rated value 11 000 W Control circuit/ Control control supply voltage at AC at 50 Hz rated value at 50 Hz rated value 88 121 V	operational current at AC-3 at 400 V rated value	15.5 A
at 500 V rated value Control circuit/ Control control supply voltage at AC at 50 Hz rated value at 50 Hz rated value 88 121 V	operating power at AC-3	
Control circuit/ Control control supply voltage at AC • at 50 Hz rated value • at 50 Hz rated value 88 121 V	at 400 V rated value	7 500 W
control supply voltage at AC • at 50 Hz rated value • at 50 Hz rated value 88 121 V	at 500 V rated value	11 000 W
 at 50 Hz rated value at 50 Hz rated value 88 121 V 	Control circuit/ Control	
• at 50 Hz rated value 88 121 V	control supply voltage at AC	
	 at 50 Hz rated value 	110 V
• at 60 Hz rated value 120 V	 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 VA
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	260 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	450 A
at 480 V rated value	15.2 A
at 600 V rated value yielded mechanical performance [hp]	17.8 A
for single-phase AC motor	
— at 110/120 V rated value	1.5 hp
— at 230 V rated value	3 hp
for 3-phase AC motor	- · · · ·
— at 200/208 V rated value	5 hp
— at 220/230 V rated value	5 hp
— at 460/480 V rated value	10 hp
— at 575/600 V rated value	15 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
conditional short-circuit current (Iq)	
at 400 V according to IEC 60947-4-1 rated value	153 000 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 partsforwards	10 mm
— backwards	0 mm
— upwards	30 mm
— at the side	9 mm
— downwards	10 mm
• for live parts	
— forwards	10 mm
— backwards	0 mm
— upwards	30 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	1 10 mm², 2x (2.5 6 mm²)
connectable conductor cross-section for main contacts finely stranded with core end processing	1 6 mm²
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures with high demand rate according to SN 31920	73 %
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
Certificates/ approvals	
General Product Approval	For use in hazard- Declaration of Conformity

Confirmation











Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









Marine / Shipping

other

Railway







Confirmation

Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RA2125-4BA26-0AK6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2125-4BA26-0AK6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2125-4BA26-0AK6

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

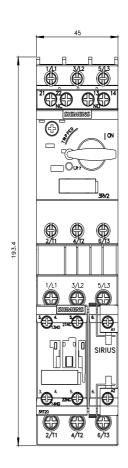
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2125-4BA26-0AK6&lang=en

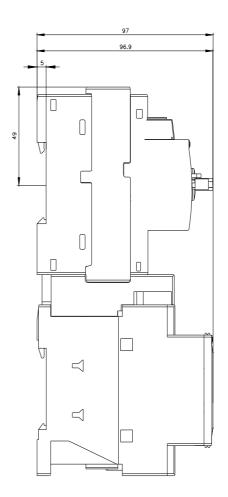
Characteristic: Tripping characteristics, I²t, Let-through current

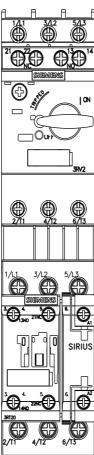
https://support.industry.siemens.com/cs/ww/en/ps/3RA2125-4BA26-0AK6/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2125-4BA26-0AK6&objecttype=14&gridview=view1







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