3RA2336-8XB30-1AG2

Data sheet



Reversing contactor assembly AC-3,22 kW/400 V,AC110V,50/60Hz 3-pole, Size S2 screw terminal electrical and mechanical Interlock 2 NO integrated

product dye designation product type designation anufacturer's article number • 1 of the supplied contactor • 2 of the supplied RS assembly kit SRA2933-2AA1 Ceneral technical data size of contactor product extension auxiliary switch \$ yes shock resistance at rectangular impulse • at AC 11.8g / 5 ms, 11.6g / 10 ms shock resistance with sine pulse • at AC 18.5g / 5 ms, 11.6g / 10 ms mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Question of the contactor with added auxiliary switch block typical 10 000 000 10 000 000 10 000 000 10 000 00	product brand name	SIRIUS	
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S2	 2 of the supplied contactor 	3RT2036-1AG20	
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• at AC shock resistance with sine pulse • at AC 18.5g / 5 ms, 11.6g / 10 ms mechanical service life (switching cycles) • of contactor lypical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical Teference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • 25 +60 °C during storage Amin circuit number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0 operating voltage at AC-3 rated value maximum 690 ∨ operational current at AC-3 • at 400 ∨ rated value • at 690 ∨ rated value • at 690 ∨ rated value • at 690 ∨ rated value • at 600 ∨ rated value • at 600 ∨ rated value • at AC-3 — at 400 ∨ rated value • at 600 ∨ rated value	product extension auxiliary switch	Yes	
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operating power ● at AC-3 — at 400 V rated value — at 500 V rated value 30 kW	installation altitude at height above sea level maximum ambient temperature	-25 +60 °C -55 +80 °C 3 3 0 690 V	
◆ at AC-3 — at 400 V rated value	installation altitude at height above sea level maximum ambient temperature	-25 +60 °C -55 +80 °C 3 3 0 690 V 51 A	
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at AC-4 at 400 V rated value	22 kW
operating frequency at AC-3 maximum	800 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage 1 at AC	
at 50 Hz rated value	110 V
at 60 Hz rated value	110 V
operating range factor control supply voltage rated	
value of magnet coil at AC	
● at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	210 VA
• at 60 Hz	188 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.69
• at 60 Hz	0.65
apparent holding power of magnet coil at AC	
• at 50 Hz	17.2 VA
• at 60 Hz	16.5 VA
inductive power factor with the holding power of the	
coil	
● at 50 Hz	0.36
• at 60 Hz	0.39
Auxiliary circuit	V.GC
number of NC contacts for auxiliary contacts	0
per direction of rotation number of NO contacts for auxiliany contacts	0
number of NO contacts for auxiliary contacts	4
per direction of rotation	1
• instantaneous contact	_ 2
contact reliability of auxiliary contacts	< 1 error per 100 million operating cycles
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	52 A
at 600 V rated value	52 A
yielded mechanical performance [hp] for 3-phase AC motor	
• at 220/230 V rated value	15 hp
at 460/480 V rated value	40 hp
• at 575/600 V rated value	50 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
— with type of coordination 1 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A
with type of economical in required with type of assignment 2 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A
for short-circuit protection of the auxiliary switch	fuse gG: 10 A
required	1400 go. 10 A
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted
	forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail
height	141 mm
width	120 mm
depth	130 mm
required spacing	
with side-by-side mounting	
— forwards	10 mm
— backwards	0 mm
— upwards	10 mm
— downwards	10 mm
GOWIIWGIGO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

— at the side	10 mm
 for grounded parts 	
— forwards	10 mm
— backwards	0 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
 for live parts 	
— forwards	10 mm
— backwards	0 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	Colon type terminals
• for main contacts	
— solid	2x (1 35 mm²), 1x (1 50 mm²)
solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)
finely stranded with core end processing	2x (1 25 mm²), 1x (1 35 mm²)
at AWG cables for main contacts	2x (18 2), 1x (18 1)
type of connectable conductor cross-sections	ZX (10 Z), 1X (10 1)
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
Safety related data	ZX (20 10), ZX (10 14)
	1,000,000
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	40.0/
with low demand rate according to SN 31920 with high demand rate according to SN 31939	40 %
with high demand rate according to SN 31920 failure and EFET with level demand and a coordinate SN	73 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 y
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
Communication/ Protocol	
product function bus communication	Yes
protocol is supported AS-Interface protocol	No
product function control circuit interface with IO link	No
Certificates/ approvals	
	Doclaration of Conformity
General Product Approval	Declaration of Conformity



Confirmation









Test Certificates

Marine / Shipping











Marine / Shipping

other

Dangerous Good





Confirmation

<u>Transport Information</u>

Further information

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=3RA2336-8XB30-1AG2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2336-8XB30-1AG2

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2336-8XB30-1AG2

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

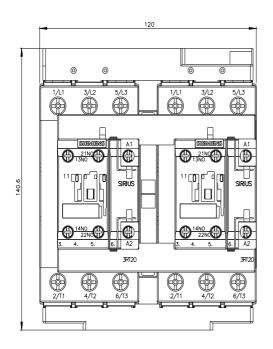
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2336-8XB30-1AG2&lang=en

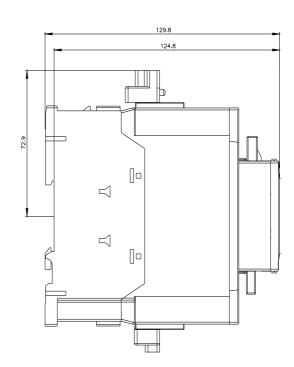
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2336-8XB30-1AG2/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2336-8XB30-1AG2&objecttype=14&gridview=view1





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