3RA2210-1HA16-2AP6

Data sheet



FUSELESS MOTOR STARTER REVERSING OPERATION 600V AC SZ S00 5.5-8A 220/240V AC 50/60HZ SCREW CONNECTION FOR SCREW MOUNTING OR 35 MM RAIL-MOUNTING TYPE OF COORDINATION 1 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 	3RT2016-1AP62
 of the supplied circuit-breakers 	3RV2011-1HA10
 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 (switching cycles) of contactor typical	30 000 000
type of assignment	1
Substance Prohibitance (Date)	03/01/2017
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	5.5 8 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	6.5 A
operating power at AC-3	
 at 400 V rated value 	3 000 W
 at 500 V rated value 	4 000 W
at 690 V rated value	5 500 W
Control circuit/ Control	

control supply voltage at AC • at 60 Nz rated value • at 60 Nz rated value apparent holding power of magnet coil at AC ARVA Inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC ARVA Inductive power factor with the holding power of the coil Auxiliary circuit number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts five class CLASS 10 design of the overload release seponse value current of instantaneous short-circuit trip unit UICSA ratings full-load current (FLA) for 3-phase AC motor • at 80 V rated value • at 60 V rated value • at 60 V rated value • for 3-phase AC motor — at 1000 V rated value • for 3-phase AC motor — at 1000 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 7-phase AC motor — at 600 V rated value • for 3-phase AC motor — at 7-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 2002/38 V rated value • for 3-phase AC motor — at 7-phase AC motor — at 8-phase AC motor — at 7-phase AC motor — at 8-phase AC motor — at 8-phase AC motor — at 7-phase AC motor — at 7-pha		
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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 hazardous locations Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate





other



Marine / Shipping







Confirmation

Vibration and Shock

Railway

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=3RA2210-1HA16-2AP6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2210-1HA16-2AP6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1HA16-2AP6

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

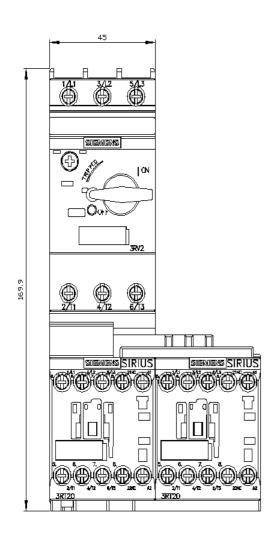
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2210-1HA16-2AP6\&lang=en}}$

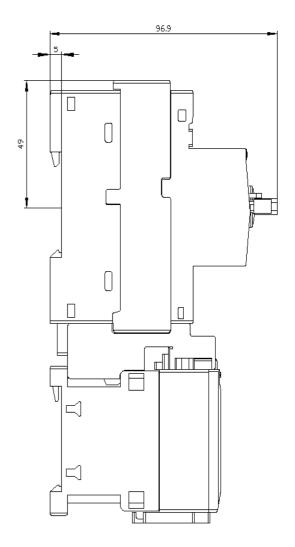
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2210-1HA16-2AP6/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2210-1HA16-2AP6&objecttype=14&gridview=view1





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