3RA2220-4BD26-0AP0

Data sheet



Load feeder fuseless, Reversing duty 400 V AC, Size S0 13.0...20.0 A 230 V AC screw terminal for 60 mm busbar systems (also fulfills type of coordination 1) 1 NO+1 NC (contactor)

product brand name	SIRIUS
product designation	Reversing starter
design of the product	for 60 mm busbars
product type designation	3RA22
manufacturer's article number	
of the supplied contactor	3RT2026-1AP00
of the supplied circuit-breakers	3RV2021-4BA10
 of the supplied RS assembly kit 	3RA2923-1DB1
of the supplied link module	3RA2921-1AA00
General technical data	
size of the circuit-breaker	S0
size of load feeder	S0
power loss [W] for rated value of the current	
• at AC in hot operating state per pole	5.4 W
 without load current share typical 	9.8 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
degree of protection NEMA rating	other
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	1
reference code according to IEC 81346-2:2019	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Weight	2.178 kg
Ambient conditions	
ambient temperature	
during operation	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
temperature compensation	-20 +60 °C
relative humidity during operation	10 95 %
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	13 20 A
operating voltage	
rated value	690 V
• at AC-3 rated value maximum	690 V

operating frequency rated value operational current * at AC-3 at 400 V rated value * at AC-3 at 400 V rated value 20 A operating power * at AC-3 — at 400 V rated value * at AC-3 — at 400 V rated value * at AC-3 — at 400 V rated value * at AC-3 — at 400 V rated value * 7 500 W Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC * at 50 Hz rated value 230 V aparent holding power of magnet coil at AC * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding power of the coil * at 50 Hz inductive power factor with the holding pow	operational current • at AC-3 at 400 V rated value • at AC-3e at 400 V rated value operating power • at AC-3 — at 400 V rated value • at AC-3e — at 400 V rated value	20 A
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- at 200/208 V rated value 5 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 hp Short-circuit protection		3 Tip
- at 220/230 V rated value 7.5 hp - at 460/480 V rated value Short-circuit protection	·	5 hp
— at 460/480 V rated value 15 hp Short-circuit protection		
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 150 000 A	· ·	150 000 A
Installation/ mounting/ dimensions		
mounting position vertical		vertical
fastening method for snapping onto 60 mm busbar systems	•	for snapping onto 60 mm busbar systems
height 260 mm	•	260 mm
width 90 mm	width	90 mm
depth 155 mm	depth	155 mm
required spacing	required spacing	
• for grounded parts	for grounded parts	
— forwards 32 mm	— forwards	32 mm
— backwards 0 mm		0 mm
— upwards 50 mm	— backwards	50 mm
— at the side 10 mm		10 mm
— downwards 10 mm	— upwards	
• for live parts	— upwards — at the side	10 mm
— forwards 32 mm	— upwards— at the side— downwards	
— backwards 0 mm	upwardsat the sidedownwardsfor live parts	
— upwards 50 mm	 upwards at the side downwards for live parts forwards backwards 	32 mm 0 mm
— downwards 10 mm	 — upwards — at the side — downwards • for live parts — forwards — backwards — upwards 	32 mm 0 mm 50 mm
— at the side 10 mm	 upwards at the side downwards for live parts forwards backwards upwards downwards 	32 mm 0 mm 50 mm 10 mm

type of electrical connection		
for main current circuit	screw-type terminals	
 for auxiliary and control circuit 	screw-type terminals	
Safety related data		
product function suitable for safety function	Yes	
Electrical Safety		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
Communication/ Protocol		
protocol is supported		
 PROFINET IO protocol 	No	
PROFIsafe protocol	No	
protocol is supported AS-Interface protocol	No	
Approvals Certificates		
General Product Approval		For use in hazard-

Confirmation

General Product Approval











ous locations

Test Certificates

Marine / Shipping

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report









Marine / Shipping





Confirmation

other

Special Test Certific-<u>ate</u>

Railway

Environmental Confirmations

Environment

Further information

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=3RA2220-4BD26-0AP0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2220-4BD26-0AP0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-4BD26-0AP0

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

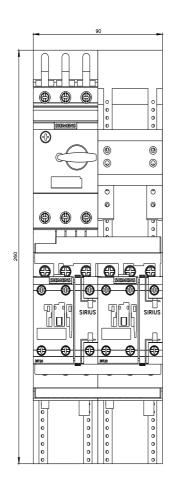
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2220-4BD26-0AP0&lang=en

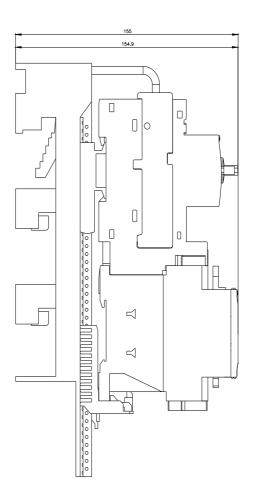
Characteristic: Tripping characteristics, I2t, Let-through current

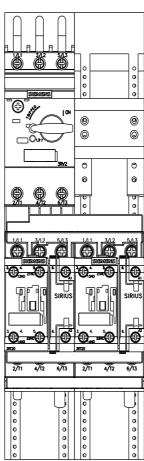
https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-4BD26-

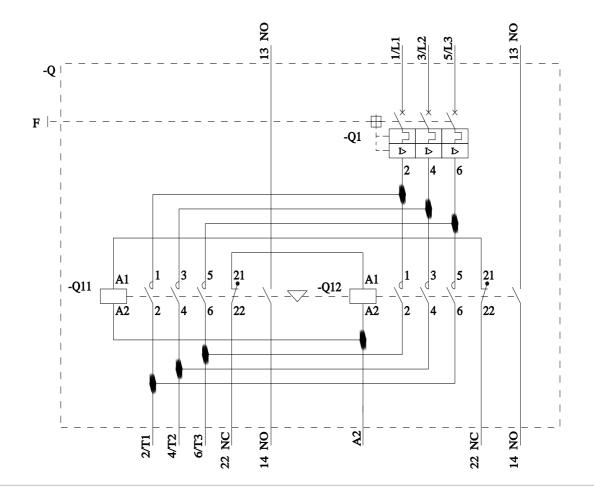
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2220-4BD26-0AP0&objecttype=14&gridview=view1









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Authorized Distributor

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3RA22204BD260AP0