3RE4122-4AA31-4CF6

**Data sheet** 

product brand name

STARTER, 3RE41224AA314CY0, WITH MODS



product designation special product feature  General technical data  weight [tio] Height x Width x Depth [in] touch protection against electrical shock installation altitude [ti] at height above sea level maximum ambient temperature [Ti] during operation ambient temperature [Ti] during operation -4 +104 "F ambient temperature during storage -30 +48 "C country of origin Germany  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage -1 at Ca at 50 Hz rated value -1 at Ca to Hz rated value -1 at 200/208 V rated value -1 at 200/208 V rated value -1 at 200/208 V rated value -1 at 575/600 V rated val	product brand rianie	Sierrieris
weight [Ib] 8 Ib Height x Width x Depth [in] 11 x 7 x 5 in touch protection against electrical shock NA for enclosed products installation altitude [fi] at height above sea level maximum 6 560 ft ambient temperature [Fi] during storage 2 -22 +149 FF ambient temperature [Virig luring storage 3 -30 +65 °C ambient temperature during storage -30 +40 °C country of origin Germany  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage • at AC at 50 Hz rated value 110 V • at AC at 50 Hz rated value 120 V disconnector functionality yielded mechanical performance [thp] for 3-phase AC motor • at 200/208 V rated value 3 hp • at 460/480 V rated value 3 hp • at 460/480 V rated value 10 hp • at 575/600 V rated value 10 hp  Contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value 30 operating voltage voltage voltage in contacts operating voltage at AC-3 rated value 50 operating voltage at AC-3 rated value 50 operating voltage volt	product designation	Non-reversing motor starter
weight [ b ]	special product feature	Hand-Off-Auto Selector Switch
Height x Width x Depth [In]  touch protection against electrical shock Installation altitude [If] at height above sea level maximum ambient temperature ['F] during storage ambient temperature ['F] during operation ambient temperature during storage ambient temperature during storage ambient temperature during storage ambient temperature during operation -20 +40 °C ambient temperature during operation -20 +40 °C country of origin  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage at AC at 50 Hz rated value 110 V at AC at 60 Hz rated value 110 V disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value 3 hp at 200/208 V rated value 3 hp at 575/600 V rated value 10 hp  Contactor number of NO contacts for main contacts operating voltage at AC-3 rated value  at 640/480 V rated value 500 voltage 500 V rated value 500 voltage of main contacts operating voltage at AC-3 rated value 600 V maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical Auxiliary contact number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 2 1 10A@600V(A600), 2.5A@600V(Q600)	General technical data	
touch protection against electrical shock installation altitude [fi] at height above sea level maximum ambient temperature [Fr] during storage ambient temperature [Fr] during operation 4	weight [lb]	8 lb
installation altitude [ft] at height above sea level maximum ambient temperature [FF] during storage ambient temperature [FF] during storage ambient temperature during storage as 3.0 +65 °C ambient temperature during operation -20 +40 °C country of origin Germany  Power and control electronics  number of poles for main current circuit 3 type of voltage of the control supply voltage at AC at 50 Hz rated value 110 V st AC at 60 Hz rated value 120 V disconnector functionality yielded mechanical performance [fp] for 3-phase AC motor at 200/238 V rated value 120 V3 hy performance [fp] for 3-phase AC motor 1 at 200/238 V rated value 1 at 200/230 V rated value 1 at 575/600 V rated value 1 to hp  Contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum enchanical service life (operating cycles) of the main contacts typical  Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary	Height x Width x Depth [in]	11 × 7 × 5 in
ambient temperature ["F] during storage 42 +149 "F ambient temperature during storage 30 +65 "C ambient temperature during storage 30 +65 "C ambient temperature during operation 220 +40 "C country of origin Germany  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage AC control supply voltage 110 V at AC at 50 Hz rated value 120 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value 3 hp at 220/230 V rated value 3 hp at 575/600 V rated value 10 hp  Contactor number of NO contacts for main current circuit at AC at 60 Hz maximum operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts 51 number of NO contacts for auxiliary contacts 11 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts contacts apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent holding power of magnet coil at AC 67 apparent hold	touch protection against electrical shock	NA for enclosed products
ambient temperature ("FI during operation 4+104 "F ambient temperature during storage 3.0+65 "C ambient temperature during storage 2.0+40 "C country of origin Germany  Power and control electronics  number of poles for main current circuit 3 type of voltage of the control supply voltage AC control supply voltage  • at AC at 50 Hz rated value 110 V • at AC at 50 Hz rated value 120 V disconnector functionality No yielded mechanical performance (hp) for 3-phase AC motor • at 200/208 V rated value 3 hp • at 250/230 V rated value 3 hp • at 460/480 V rated value 10 hp  Contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts 1 number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 3 number of NC contacts for auxiliary contacts 4 C apparent holding power of magnet coil at AC 67 VA apparent holding power of magnet coil at AC 65 VA	installation altitude [ft] at height above sea level maximum	6 560 ft
ambient temperature during storage ambient temperature during operation country of origin  Power and control electronics number of poles for main current circuit 3 type of voltage of the control supply voltage at AC at 60 Hz rated value at AC at 60 Hz rated value 110 V siedde mechanical performance [hp] for 3-phase AC motor at 4200/208 V rated value 3 hp at 4200/208 V rated value 3 hp at 460/480 V rated value 3 hp at 460/480 V rated value 5 to 575/600 V rated value 6 to 575/600 V rated value 7.5 hp 6 to 10 hp  Contactor number of NO contacts for main contacts operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NC contacts for au	ambient temperature [°F] during storage	-22 +149 °F
ambient temperature during operation -20 +40 °C country of origin Germany  Power and control electronics  number of poles for main current circuit 3 type of voltage of the control supply voltage AC  control supply voltage  • at AC at 50 Hz rated value 110 V  disconnector functionality No  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 3 hp  • at 220/230 V rated value 3 hp  • at 460/480 V rated value 7.5 hp  • at 575/600 V rated value 10 hp  Contactor  number of NO contacts for main contacts operating voltage for main contacts vpical younged for period of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts and contacts 2 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 1 number of NC contacts for auxiliary contacts 1 1 10A@600V(A600), 2.5A@600V(Q600)  Coil  apparent holding power of magnet coil at AC 67 VA 6.5 VA	ambient temperature [°F] during operation	-4 +104 °F
Country of origin Germany  Power and control electronics  number of poles for main current circuit 3 type of voltage of the control supply voltage AC  control supply voltage  • at AC at 50 Hz rated value 110 V  • at AC at 60 Hz rated value 120 V  disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 3 hp  • at 220/230 V rated value 3 hp  • at 46,0480 V rated value 7.5 hp  • at 475/600 V rated value 10 hp  Contactor  number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts ypical  Auxiliary contact  number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts 3 number of suxiliary contacts 1 number of total auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts 1 number of total auxiliary contacts according to UL  apparent holding power of magnet coil at AC 67 VA apparent holding power of magnet coil at AC 6.5 VA	ambient temperature during storage	-30 +65 °C
number of poles for main current circuit  1 type of voltage of the control supply voltage control supply voltage	ambient temperature during operation	-20 +40 °C
number of poles for main current circuit  type of voltage of the control supply voltage  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value  disconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value  • at 220/230 V rated value  • at 46/0480 V rated value  • at 4575/600 V rated value  10 hp  Contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL  apparent holding power of magnet coil at AC 67 VA apparent holding power of magnet coil at AC 6.5 VA	country of origin	Germany
type of voltage of the control supply voltage  at AC at 50 Hz rated value  at AC at 50 Hz rated value  at AC at 60 Hz rated value  be at AC at 60 Hz rated value  at 20 V  disconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  at 200/208 V rated value  at 220/230 V rated value  at 460/480 V rated value  at 675/600 V rated value  at 7.5 hp  be at 7.5 hp  at 20/230 V rated value  at 8.00 V  at 7.5 hp  at 7.5	Power and control electronics	
control supply voltage  • at AC at 50 Hz rated value  • at AC at 60 Hz rated value  disconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  • at 220/203 V rated value  • at 220/230 V rated value  • at 460/480 V rated value  • at 675/600 V rated value  • at 675/600 V rated value  7.5 hp  • at 675/600 V rated value  7.5 hp  • at 75/600 V rated value  8  Operating voltage for main contacts  3  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1  number of NC contacts for auxiliary contacts  1  number of NC contacts for auxiliary contacts  1  number of NO contacts for auxiliary contacts  6  O VA  apparent pick-up power of magnet coil at AC  6  6  O VA  apparent holding power of magnet coil at AC  6  5  VA	number of poles for main current circuit	3
at AC at 50 Hz rated value  at AC at 60 Hz rated value  isconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  at 200/208 V rated value  at 220/230 V rated value  at 460/480 V rated value  at 575/600 V rated value  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts lypical  Auxillary contact  number of NO contacts for auxilliary contacts  1 number of NO contacts for auxilliary contacts  2 number of NO contacts for auxilliary contacts  3 number of NO contacts for auxilliary contacts  4 number of NO contacts for auxilliary contacts  5 number of NO contacts for auxilliary contacts  6 number of NO contacts  6 number	type of voltage of the control supply voltage	AC
at AC at 60 Hz rated value  disconnector functionality  yielded mechanical performance [hp] for 3-phase AC motor  at 200/208 V rated value  at 220/230 V rated value  at 460/480 V rated value  at 575/600 V rated value  number of NO contacts for main contacts  operating voltage at AC-3 rated value maximum  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  ac maximum  operating voltage at AC-3 rated value maximum  ac maximum  operating voltage at AC-3 rated value maximum  ac maximum  number of NO contacts for auxiliary contacts  1  number of NO contacts for auxiliary contacts  1  number of total auxiliary contacts maximum  ac contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  67 VA  apparent holding power of magnet coil at AC  6.5 VA	control supply voltage	
disconnector functionality yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 3 hp • at 220/230 V rated value 7.5 hp • at 460/480 V rated value 10 hp  Contactor  number of NO contacts for main contacts availlary contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL  Coil  apparent holding power of magnet coil at AC 65 VA  apparent holding power of magnet coil at AC 6.5 VA	<ul> <li>at AC at 50 Hz rated value</li> </ul>	110 V
yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value  10 hp  Contactor  number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum 600 V  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL  Ooil apparent pick-up power of magnet coil at AC 67 VA apparent holding power of magnet coil at AC 6.5 VA	• at AC at 60 Hz rated value	120 V
at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value 7.5 hp at 575/600 V rated value 10 hp  Contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum operating service life (operating cycles) of the main contacts typical  Auxiliary contact number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL  Coil apparent pick-up power of magnet coil at AC 67 VA apparent holding power of magnet coil at AC 6.5 VA	disconnector functionality	No
at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value 10 hp  Contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operating voltage at AC-3 rated value maximum operating voltage at AC-3 rated value maximum operating voltage life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC as A pagarent holding power of magnet coil at AC a	yielded mechanical performance [hp] for 3-phase AC motor	
at 460/480 V rated value  at 575/600 V rated value  7.5 hp  10 hp  Contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  1  number of NO contacts for auxiliary contacts  1  number of total auxiliary contacts maximum  8  contact rating of auxiliary contacts of contactor according to UL  10A@600V(A600), 2.5A@600V(Q600)  Coil  apparent pick-up power of magnet coil at AC  67 VA  apparent holding power of magnet coil at AC  6.5 VA	<ul><li>at 200/208 V rated value</li></ul>	3 hp
at 575/600 V rated value  Contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  secontact rating of auxiliary contacts of contactor according to UL  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  65 VA	• at 220/230 V rated value	3 hp
Contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts 1  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  6.5 VA	• at 460/480 V rated value	7.5 hp
number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  6.5 VA	• at 575/600 V rated value	10 hp
operating voltage for main current circuit at AC at 60 Hz maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  apparent holding power of magnet coil at AC  65 VA	Contactor	
operating voltage at AC-3 rated value maximum  operating voltage at AC-3 rated value maximum  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  scontact rating of auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  65 VA	number of NO contacts for main contacts	3
mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  number of total auxiliary contacts of contactor according to UL  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  6.5 VA		600 V
typical  Auxiliary contact  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  10A@600V(A600), 2.5A@600V(Q600)  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  6.5 VA	operating voltage at AC-3 rated value maximum	600 V
number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  10A@600V(A600), 2.5A@600V(Q600)  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  65 VA  6.5 VA		30 000 000
number of NO contacts for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  for VA  6.5 VA	Auxiliary contact	
number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  10A@600V(A600), 2.5A@600V(Q600)  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  6.5 VA	number of NC contacts for auxiliary contacts	1
contact rating of auxiliary contacts of contactor according to UL  10A@600V(A600), 2.5A@600V(Q600)  Coil  apparent pick-up power of magnet coil at AC  apparent holding power of magnet coil at AC  6.5 VA	number of NO contacts for auxiliary contacts	1
apparent pick-up power of magnet coil at AC 67 VA apparent holding power of magnet coil at AC 6.5 VA	number of total auxiliary contacts maximum	8
apparent pick-up power of magnet coil at AC 67 VA apparent holding power of magnet coil at AC 6.5 VA	contact rating of auxiliary contacts of contactor according to UL	10A@600V(A600), 2.5A@600V(Q600)
apparent holding power of magnet coil at AC 6.5 VA	Coil	
	apparent pick-up power of magnet coil at AC	67 VA
operating range factor control supply voltage rated value of 0.8 1.1	apparent holding power of magnet coil at AC	6.5 VA
	operating range factor control supply voltage rated value of	0.8 1.1

Siemens

magnet coil	0.00
ON-delay time	9 38 ms
OFF-delay time	4 16 ms
Overload relay	
product function	v.
overload protection	Yes
• test function	Yes
external reset	Yes
reset function adjustment range of thermal overload trip unit	Manual, automatic and remote (with optional accessory)  17 22
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	1
contact rating of auxiliary contacts of overload relay according to	5A@600VAC (B600), 1A@250VDC (R300)
UL	3. (g. 333), (g. 233) 23 (1. 1333)
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA 1 standard size enclosure
design of the housing	indoors, usable on a general basis
Mounting/wiring	
mounting position	vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf·in] for supply	18 21 lbf-in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (16 12), 2x (14 8)
temperature of the conductor for supply maximum permissible	60 °C
material of the conductor for supply	CU
type of electrical connection for load-side outgoing feeder	Screw-type terminals
tightening torque [lbf-in] for load-side outgoing feeder	18 21 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (16 12), 2x (14 8)
temperature of the conductor for load-side outgoing feeder maximum permissible	60 °C
material of the conductor for load-side outgoing feeder	CU
type of electrical connection of magnet coil	Screw-type terminals
tightening torque [lbf·in] at magnet coil	7 10 lbf-in
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	2x (16 12), 2x (14 8)
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at contactor for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded	2x (20 16), 2x (18 14)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded	2x (20 16), 2x (18 14)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	70 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	Class J
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	5 kA
• at 480 V	5 kA
• at 600 V	5 kA
certificate of suitability	UL 60947-4-1

## Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

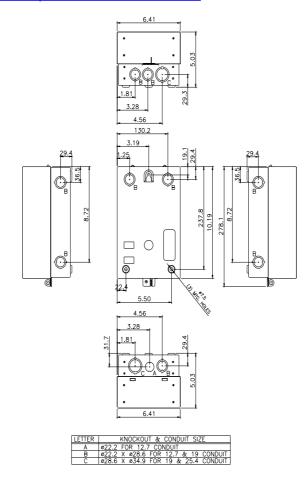
m/mall/en/us/Catalog/product?mlfb=3RE4122-4AA31-4CF6

Search Datasheet in Service&Support (Manuals)
https://support.industry.siemens.com/cs/US/en/ps/3RE4122-4AA31-4CF6/man

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-4AA31-4CF6&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4122-4AA31-4CF6&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4122-4AA31-4CF6/certificate



1/25/2022 last modified: