SIEMENS

Data sheet

3RE4121-5CA11-1EF6

STARTER, 3RE41215CA111EY0, WITH MODS



product brand name Skemes product designation Non-reversing motor statter special product feature Hand-Off-Auto Selector Switch Central technical data ************************************			
special product feature Hand-Off-Auto Selector Switch General technical data Ida b weight [b] 14 lb Height X Width x Depth [in] 12 x 10 x 6 in Touch protection against electrical shock NA for enclosed products installation altitude [If at height above sea level maximum 6 560 ft ambient temperature [IF] during operation -4+104 'F ambient temperature furging storage -30+65 'C'C ambient temperature during operation -20,+40 'C control supply voltage -21,+40 'C control supply voltage -22,+40 'C e at AC at 50 Hz rated value 24 V disconnector functionality No vjeided mechanical performance [hp] for 3-phase AC motor -15 hp e at 200/200 V rated value 3 hp e at 200/200 V rated value 50 hp Contactor <td>product brand name</td> <td>Siemens</td>	product brand name	Siemens	
General technical data weight [b] 14 lb Height X Widh x Deph [in] 12 x 10 x 6 in touch protection against electrical shock NA for enclosed products installation altitude [i] at height above sea level maximum 6 560 ft ambient temperature [F] during operation -22+149 'F ambient temperature during storage -30+45 °C ambient temperature during storage -30+40 °C country of origin Germany Power and control sloption -20+40 °C control of origin Germany Power and control sloption -20+40 °C control supply voltage AC outprot of origin Germany Power and control sloption voltage AC control supply voltage AC et AC at 50 Hz rated value 24 V et AC at 50 Hz rated value 24 V et AC at 50 Hz rated value 1.5 hp et 202/280 V rated value 1.5 hp et 202/280 V rated value 3 hp et 3150 V rated value 5 hp Contractor 000 V m	product designation	Non-reversing motor starter	
weight [b] 14 lb Height x Widh x Depth [in] 12 × 10 × 6 in touch protection against electrical shock NA for enclosed products installation altitude [It] at height above sea level maximum 6 560 ft ambient temperature [F] during storage -22+149 °F ambient temperature [F] during operation -4+104 °F ambient temperature during storage -30+65 °C ambient temperature during voltage -20+40 °C countrol supply voltage -20+40 °C control supply voltage -20+40 °C control supply voltage -24 V e at AC at 50 Hz rated value 24 V e at AC at 50 Hz rated value 24 V e at 420/200 V rated value 24 V e at 220/230 V rated value 2 hp e at 420/480 V rated value 3 hp e at 4575/600 V rated value <td>special product feature</td> <td>Hand-Off-Auto Selector Switch</td>	special product feature	Hand-Off-Auto Selector Switch	
Height X Height X Height X Na for enclosed products installation altitude [ft] at height above sea level maximum 6 560 ft ambient temperature [F] during operation 4 +104 °F ambient temperature (IT) during operation 4 +104 °F ambient temperature (IT) during operation 20 +40 °C country of origin Germany Power and control electronics 0 +65 °C number of poles for main current circuit 3 type of voltage of the control supply voltage AC control supply voltage 24 V • at AC at 50 Hz rated value 24 V • at AC at 50 Hz rated value 24 V • at AC at 60 Hz rated value 24 V • at AC at 60 Hz rated value 24 V • at AC at 60 Hz rated value 24 V • at AC at 60 Hz rated value 24 V • at 200/208 V rated value 2 hp • at 200/208 V rated value 3 hp • at 200/208 V rated value 3 hp • at 575/600 V rated value 3 0 000 000 • at 575/600 V rated value 3 0 000 000 • at 575/600 V rated value 3 0000 000 • at 50 Contacts for auxiliary contacts 3 0 000 000 mumber of NO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contact	General technical data		
boxh protection against electrical shock NA for enclosed products installation altitude (II) at height above sea level maximum 6 560 ft ambient temperature [F] during storage -22+149 F ambient temperature [F] during operation -4+164 F ambient temperature during operation -20+46 °C ambient temperature during operation -20+40 °C county of origin Germany Power and control electronics 0+45 °C number of poles for main current circuit 3 type of voltage of the control supply voltage AC control supply voltage -24 V • at AC at 50 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor -15 hp • at 200208 V rated value 2 hp • at 200208 V rated value 3 hp • at 57:600 V rated value 5 hp Contactor	weight [lb]	14 lb	
installation altitude [ft] at height above sea level maximum 6 560 ft ambient temperature [F] during storage -22 +149 "F ambient temperature [F] during storage -30 +65 °C ambient temperature during operation -20 +40 °C country of origin Germany Power and control electronics number of poles for main current circuit 1 3 type of voltage of the control supply voltage AC control supply voltage -440 °C e at AC at 50 Hz rated value 24 V e at AC at 50 Hz rated value 24 V e at AC at 60 Hz rated value 24 V e at AC at 60 Hz rated value 24 V e at 200208 V rated value 1.5 hp e at 200208 V rated value 1.5 hp e at 570/600 V rated value 3 hp e at 570/600 V rated value 3 hp e at 570/600 V rated value 3 000 000 vipical 30 000 000 Vipical 30 000 000 Vipical 1 number of NO contacts for auxiliary contacts 0 operating voltage at AC-3 rated value maximum 600 V operating voltage at AC-3	Height x Width x Depth [in]	12 × 10 × 6 in	
ambient temperature [F] during storage -22 +149 "F ambient temperature during storage -30 +164 "F ambient temperature during storage -30 +46 "C ambient temperature during storage -30 +40 "C country of origin Germany Power and control supply voltage AC number of poles for main current circuit 3 type of voltage of the control supply voltage AC control supply voltage AC e at AC at 60 Hz rated value 24 V et at 60 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor 1.5 hp et at 200/230 V rated value 2 hp et at 200/230 V rated value 3 hp et at 60/480 V rated value 5 hp et at 60/480 V rated value 5 hp operating voltage at AC-3 rated value 3 operating voltage at AC-3 rated value 3 operating voltage at AC-3 rated value 3 operating voltage at AC-3 rated value 30 000 v operating voltage at AC-3 rated value 30 000 v maximum 600 V <t< td=""><td>touch protection against electrical shock</td><td>NA for enclosed products</td></t<>	touch protection against electrical shock	NA for enclosed products	
ambient temperature (Ff during operation 4 +104 °F ambient temperature during storage -30 +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 AC control supply voltage AC e at AC at 50 Hz rated value 24 V • at AC at 50 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor 1.5 hp • at 200/208 V rated value 2 hp • at 460/480 V rated value 3 hp • at 460/480 V rated value 5 hp Contactor number of NO contacts for main contacts 3 operating voltage at AC-3 rated value maximum 600 V operating voltage at AC-3 rated value maximum 600 V maximum 600 V mechanical service life (operating cycles) of the main contacts 30 000 000 yipcial 0 number of NO contacts for auxiliary contacts 1	installation altitude [ft] at height above sea level maximum	6 560 ft	
ambient temperature during storage -30 +65 °C ambient temperature during operation -20 +40 °C country of origin Germany Power and control electronics Image: Control supply voltage in umber of poles for main current circuit 3 type of voltage of the control supply voltage AC control supply voltage AC et AC at 50 Hz rated value 24 V et AC at 60 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor 1.5 hp et 200/208 V rated value 2 hp et 200/208 V rated value 3 hp et 200/208 V rated value 5 hp Contactor 1.5 hp number of NO contacts for main contacts 3 operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts 30 0000 000 typical 0 Auxiliary contact 1 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1	ambient temperature [°F] during storage	-22 +149 °F	
ambient temperature during operation -20 +40 °C country of origin Germany Power and control electronics 3 number of poles for main current circuit 3 type of voltage of the control supply voltage AC control supply voltage AC e at AC at 50 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor 1.5 hp e at 220/208 V rated value 2 hp e at 420/480 V rated value 3 hp e at 250/208 V rated value 3 hp e at 250/208 V rated value 5 hp Contactor 600 V number of NO contacts for main contacts 3 operating voltage at AC-3 rated value maximum 600 V mechanicals service life (operating cycles) of the main contacts 30 000 000 Vipical 30 000 000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 1	ambient temperature [°F] during operation	-4 +104 °F	
country of origin Germany Power and control electronics ************************************	ambient temperature during storage	-30 +65 °C	
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 C • at AC at 50 Hz rated value 24 V • at AC at 60 Hz rated value 24 V • at AC at 60 Hz rated value 24 V • disconnector functionality No yleided mechanical performance [hp] for 3-phase AC motor 1.5 hp • at 220/230 V rated value 2 hp • at 260/280 V rated value 2 hp • at 260/280 V rated value 3 hp • at 260/280 V rated value 5 hp Contactor 5 np Imumber of NC contacts for main contacts 3 operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts 30 000 000 typical 30 000 000 Auxiliary contacts 0 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 NC contacts of contactor according to UL 10Aq@600V(A600), 2.5A@600V(Q600) </td <td>ambient temperature during operation</td> <td>-20 +40 °C</td>	ambient temperature during operation	-20 +40 °C	
number of poles for main current circuit 3 type of voltage of the control supply voltage AC control supply voltage 4C • at AC at 50 Hz rated value 24 V • at AC at 60 Hz rated value 24 V disconnector functionality No ylelded mechanical performance [hp] for 3-phase AC motor • • at 200/208 V rated value 1.5 hp • at 260/480 V rated value 3 hp • at 450/480 V rated value 5 hp Contactor 5 hp number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operating voltage for axili cycentacts 3 number of NC contacts for auxiliury contacts 30 000 000 typical 30 000 000 wore of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 6 <	country of origin	Germany	
type of voltage of the control supply voltage AC control supply voltage at AC at 50 Hz rated value 24 V • at AC at 60 Hz rated value 24 V • at AC at 60 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor I.5 hp • at 200/208 V rated value 2 hp • at 220/230 V rated value 3 hp • at 460/480 V rated value 5 hp Contactor number of NO contacts for main contacts number of NO contacts for main contacts 3 operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts 30 000 000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1	Power and control electronics		
A control supply voltage 24 V • at AC at 50 Hz rated value 24 V • at AC at 60 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor 1.5 hp • at 220/208 V rated value 2 hp • at 220/208 V rated value 2 hp • at 460/480 V rated value 3 hp • at 575/600 V rated value 5 hp Contactor 600 V number of NO contacts for main contacts 3 operating voltage at AC-3 rated value maximum 600 V operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts to 30 000 000 Auxiliary contact 1 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of ND contacts for auxiliary contacts 1 number of total auxiliary contacts 1 number of ND contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 6 contact rating of auxiliary contacts of contactor accor	number of poles for main current circuit	3	
• at AC at 50 Hz rated value 24 V • at AC at 60 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor . • at 200/208 V rated value 1.5 hp • at 200/208 V rated value 1.5 hp • at 460/480 V rated value 3 hp • at 4575/600 V rated value 5 hp Contactor 5 hp number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum 600 V maximum 600 V mechanical service life (operating cycles) of the main contacts typical 30 000 000 Auxiliary contact 0 number of NO contacts for auxiliary contacts 1 number of total auxiliary	type of voltage of the control supply voltage	AC	
• at AC at 60 Hz rated value 24 V disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor . • at 200/208 V rated value 1.5 hp • at 220/230 V rated value 2 hp • at 460/480 V rated value 3 hp • at 4575/600 V rated value 5 hp Contactor . number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts 30 000 000 typical 1 Auxiliary contact 1 number of NO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 1	control supply voltage		
disconnector functionality No yielded mechanical performance [hp] for 3-phase AC motor 1.5 hp • at 200/208 V rated value 2 hp • at 220/230 V rated value 3 hp • at 460/480 V rated value 3 hp • at 460/480 V rated value 5 hp Contactor 5 hp number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts 30 000 000 typical Auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 number of total auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600) Coil 26.4 VA apparent pick-up power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 44.4 VA	• at AC at 50 Hz rated value	24 V	
yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • apparent yoltage at AC-3 rated value maximum • 600 V mechanical service life (operating cycles) of the main contacts • yolcal • auxiliary contacts • number of NC contacts for auxiliary contacts • number of NO contacts maximum • 6 • contact rating	• at AC at 60 Hz rated value	24 V	
• at 200/208 V rated value 1.5 hp • at 220/230 V rated value 2 hp • at 460/480 V rated value 3 hp • at 4575/600 V rated value 5 hp Contactor number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical 30 000 000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 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 1 number of total auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600)	disconnector functionality	No	
• at 220/230 V rated value2 hp• at 460/480 V rated value3 hp• at 575/600 V rated value5 hpContactornumber of NO contacts for main contacts3operating voltage for main current circuit at AC at 60 Hz600 Vmaximum600 Voperating voltage at AC-3 rated value maximum600 Vmechanical service life (operating cycles) of the main contacts typical30 000 000Auxiliary contact0number of NO contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1number of total auxiliary contacts6contact rating of auxiliary contacts of contactor according to UL10A@600V(A600), 2.5A@600V(Q600)Coilapparent pick-up power of magnet coil at AC26.4 VAapparent holding power of magnet coil at AC4.4 VA	yielded mechanical performance [hp] for 3-phase AC motor		
• at 460/480 V rated value 3 hp • at 575/600 V rated value 5 hp Contactor	• at 200/208 V rated value	1.5 hp	
• at 575/600 V rated value 5 hp Contactor Image: contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz maximum 600 V operating voltage at AC-3 rated value maximum 600 V operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical 30 000 000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600) Coil 26.4 VA apparent pick-up power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	• at 220/230 V rated value	2 hp	
Contactor number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts 30 000 000 typical 30 000 000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 6 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 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	• at 460/480 V rated value	3 hp	
number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical 30 000 000 Auxiliary contact 30 000 000 number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600) Coil apparent pick-up power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	• at 575/600 V rated value	5 hp	
operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operating voltage at AC-3 rated value maximum 600 V mechanical service life (operating cycles) of the main contacts typical 30 000 000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 6 contact rating of auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600) Coil 26.4 VA apparent pick-up power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	Contactor		
maximum 600 V mechanical service life (operating cycles) of the main contacts typical 30 000 000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600) Coil apparent pick-up power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	number of NO contacts for main contacts	3	
mechanical service life (operating cycles) of the main contacts typical 30 000 000 Auxiliary contact number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 1 1 number of total auxiliary contacts maximum 6 6 contact rating of auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600) 0 Coil apparent pick-up power of magnet coil at AC 26.4 VA 4.4 VA		600 V	
typical Auxiliary contact number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 6 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 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	operating voltage at AC-3 rated value maximum	600 V	
number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 6 contact rating of auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600) Coil 26.4 VA apparent pick-up power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 VA		30 000 000	
number of NO contacts for auxiliary contacts 1 number of total auxiliary contacts maximum 6 contact rating of auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600) Coil 26.4 VA apparent pick-up power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	Auxiliary contact		
number of total auxiliary contacts maximum 6 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 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	number of NC contacts for auxiliary contacts	0	
contact rating of auxiliary contacts of contactor according to UL 10A@600V(A600), 2.5A@600V(Q600) Coil 26.4 VA apparent pick-up power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	number of NO contacts for auxiliary contacts	1	
Coil apparent pick-up power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 VA	number of total auxiliary contacts maximum	6	
apparent pick-up power of magnet coil at AC 26.4 VA apparent holding power of magnet coil at AC 4.4 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 4.4 VA	Coil		
	apparent pick-up power of magnet coil at AC	26.4 VA	
operating range factor control supply voltage rated value of 0.8 1.1	apparent holding power of magnet coil at AC	4.4 VA	
	operating range factor control supply voltage rated value of	0.8 1.1	

magnet coil	
ON-delay time	9 35 ms
OFF-delay time	3.5 14 ms
Overload relay	
product function	
 overload protection 	Yes
• test function	Yes
external reset	Yes
reset function	Manual, automatic and remote (with optional accessory)
adjustment range of thermal overload trip unit	2.8 4
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 UL	5A@600VAC (B600), 1A@250VDC (R300)
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA 3/3R/4/12 enclosure
design of the housing	Dust- & watertight for outdoor use
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	7 10 lbf-in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (20 16), 2x (18 14), 2x 12
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	7 10 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (20 16), 2x (18 14), 2x 12
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 (20 16), 2x (18 14), 2x 12
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), 2x 12
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,...)

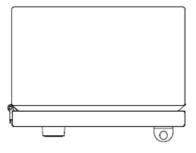
www.usa.siemens.com/iccatalog

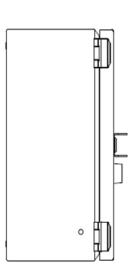
Industry Mall (Online ordering system) om/mall/en/us/Catalog/product?mlfb=3RE4121-5CA11-1EF6 https://n all.industry.siemens.c

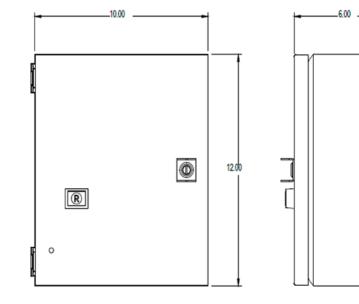
Search Datasheet in Service&Support (Manuals) https://support.industry.siemens.com/cs/US/en/ps/3RE4121-5CA11-1EF6/man

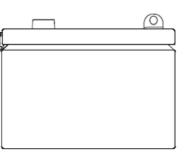
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RE4121-5CA11-1EF6&lang=en Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4121-5CA11-1EF6/certificate









last modified:

4/15/2021 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: 3RE41215CA111EF6