Data sheet 3RE4121-5AA11-1JB0

STARTER, 3RE41215AA111JB0, WITH MODS



Figure similar

Product brand name	Siemens
Product designation	Non-reversing motor starter
Special product feature	Start-Stop Push Buttons

General technical data	
Weight [lb]	8 lb
Height x Width x Depth [in]	11 × 7 × 5 in
Protection against electrical shock	NA for enclosed products
Installation altitude [ft] 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 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	24 V	
<ul> <li>at AC at 60 Hz rated value</li> </ul>	24 V	
Disconnector functionality	No	
Yielded mechanical performance [hp] for three-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 575/600 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 maximum	600 V	
Operating voltage at AC-3 rated value maximum	600 V	
Mechanical service life (switching 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	
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 V·A	
Apparent holding power of magnet coil at AC	4.4 V·A	
Operating range factor control supply voltage rated value of magnet coil	0.8 1.1	
Switch-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	7 10	
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 1 standard size enclosure
Design of the housing	Indoor general purpose use

Mounting position)         vertical           (mounting position)         Surface mounting and installation           Type of electrical connection for supply voltage lineside         Screw-type terminals           Tightening torque [lbf-in] for supply         7 10 lbf-in           Type of connectable conductor cross-sections at lineside at AWG conductors single or multi-stranded         60 °C           Temperature of the conductor for supply maximum permissible         CU           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         2x (20 16), 2x (18 14), 2x 12           Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded         2x (20 16), 2x (18 14), 2x 12           Type of electrical connection of magnet coil         Cu           Type of electrical connection of magnet coil         Screw-type terminals           Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi-stranded         T 10 lbf-in           Type of connectable conductor at magnet coil         T 10 lbf-in           Type of electrical connection for auxiliary contacts         Screw-type terminals           Type of oennectable conductor at magnet coil         T 10 lbf-in			
(mounting type)     Surface mounting and installation       Type of electrical connection for supply voltage lineside     Screw-type terminals       Tightening torque [lbf·in] for supply     7 10 lbf·in       Type of connectable conductor cross-sections at lineside at AWG conductors 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     2x (20 16), 2x (18 14), 2x 12       Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder smigle or multi-stranded     2x (20 16), 2x (18 14), 2x 12       Material of the conductor for load-side outgoing feeder smignle or multi-stranded     CU       Material of the conductor of 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 at magnet coil     CU       Type of electrical connection for auxiliary contacts     CU       Tightening torque [lbf·in] at contactor for auxiliary contacts     Screw-type terminals       Tightening torque [lbf·in] at contactor for auxiliary contacts single or multi-stranded     CU       Type of connectable conduct			
Type of electrical connection for supply voltage lineside  Tightening torque [lbf-in] for supply  7 10 lbf-in  2x (20 16), 2x (18 14), 2x 12  Type of connectable conductor cross-sections at lineside at AWG conductors single or multi-stranded  Temperature of the conductor for supply maximum permissible  Material of the conductor for supply CU  Type of electrical connection for load-side outgoing feeder  Tightening torque [lbf-in] for load-side outgoing feeder  Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Type of connectable conductor cross-sections of magnet coil Screw-type terminals  Tightening torque [lbf-in] at magnet coil Type of connectable conductor at magnet coil Type of connectable conductor at magnet coil CU  Type of electrical connection for auxiliary contacts  Tightening torque [lbf-in] at contactor for auxiliary contacts single or multi-stranded  Trype of connectable conductor at contactor for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary contacts single or multi-stranded	(mounting position)	vertical	
Side Tightening torque [lbf-in] for supply Type of connectable conductor cross-sections at linespied at AWG conductors single or multi-stranded Temperature of the conductor for supply maximum permissible Material of the conductor for load-side outgoing feeder Tightening torque [lbf-in] for load-side outgoing feeder Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder multi-stranded Temperature of the conductor for load-side outgoing feeder multi-stranded Temperature of the conductor for load-side outgoing feeder maximum permissible Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder of magnet coil at AWG conductors single or multi-stranded Temperature of the conductor at magnet coil Type of connectable conductor at magnet coil Type of connectable conductor at magnet coil Type of electrical connection for auxiliary contacts Tightening torque [lbf-in] at contactor for auxiliary contacts Tightening torque [lbf-in] at contactor for auxiliary contacts Trype of connectable conductor at magnet coil Type of connectable conductor for auxiliary contacts Tightening torque [lbf-in] at contactor for auxiliary contacts Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded Temperature of the conductor at contactor for auxiliary contacts Screw-type terminals Type of connectable conductor cross-sections at contactor for auxiliary contacts Type of connectable conductor at contactor for auxiliary contacts maximum permissible Material of the conductor at contactor for auxiliary contacts maximum permissible Material of the conductor at contactor for auxiliary contacts maximum permissible	(mounting type)	Surface mounting and installation	
Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded  Temperature of the conductor for supply maximum permissible  Material of the conductor for load-side outgoing feeder  Tightening torque [lbf·in] for load-side outgoing feeder single or multi-stranded  Type of connectable conductor for load-side outgoing feeder smulti-stranded  AWG conductors for load-side outgoing feeder single or multi-stranded  Type of electrical connection of magnet coil  Type of electrical connection of magnet coil  Type of electrical connection of magnet coil  Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded  Material of the conductor for load-side outgoing feeder single or multi-stranded  CU  Screw-type terminals  CU  CU  Screw-type terminals  CU  Screw-type terminals  Type of electrical connection of magnet coil  Type of electrical connection of magnet coil  Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi-stranded  Temperature of the conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts single or multi-stranded  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU  Material of the conductor at contactor for auxiliary  CU  CU  CU  CU  CU  CU  CU  CU  CU  C		Screw-type terminals	
side at AWG conductors single or multi-stranded  Temperature of the conductor for supply maximum permissible  Material of the conductor for supply  Type of electrical connection for load-side outgoing feeder  Tightening torque [lbf-in] for load-side outgoing feeder single or multi-stranded  Temperature of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor at magnet coil  Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi-stranded  Temperature of the conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf-in] at contactor for auxiliary contacts  Type of connectable conductor at magnet coil  Type of electrical connection for auxiliary contacts  Type of connectable conductor for auxiliary contacts  Type of connectable conductor at magnet coil  Type of connectable conductor for auxiliary contacts  Type of connectable conductor for auxiliary contacts  Screw-type terminals  Tightening torque [lbf-in] at contactor for auxiliary contacts  Screw-type terminals  Type of connectable conductor at magnet coil  Type of electrical connection for auxiliary contacts  Screw-type terminals  Type of connectable conductor at contactor for auxiliary contacts  Screw-type terminals  Type of connectable conductor of auxiliary contacts  Screw-type terminals  Type of connectable conductor of auxiliary contacts  Screw-type terminals  Type of connectable conductor of auxiliary contacts  Screw-type terminals  Type of connectable conductor of auxiliary contacts  Screw-type terminals  Type of connectable conductor of auxiliary contacts	Tightening torque [lbf·in] for supply	7 10 lbf·in	
Material of the conductor for supply  Type of electrical connection for load-side outgoing feeder Tightening torque [lbf-in] for load-side outgoing feeder Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder summities tranded Temperature of the conductor for load-side outgoing feeder Type of electrical connection of magnet coil Type of electrical connection of magnet coil Type of connectable conductor or single or multistranded Temperature of the conductor for load-side outgoing feeder Type of electrical connection of magnet coil Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multistranded  Temperature of the conductor at magnet coil Type of electrical connection for auxiliary contacts Tightening torque [lbf-in] at contactor for auxiliary contacts Type of connectable conductor at magnet coil Type of connectable conductor at magnet coil Type of connectable conductor for auxiliary contacts Tightening torque [lbf-in] at contactor for auxiliary contacts Type of connectable conductor at magnet coil at AWG conductors for auxiliary contacts Type of connectable conductor at magnet coil Type of connectable conductor at magnet coil Type of connectable conductor at magnet coil Type of connectable conductor for auxiliary contacts Screw-type terminals  Type of connectable conductor for auxiliary contacts Screw-type terminals  Type of connectable conductor of auxiliary contacts Screw-type terminals  Type of connectable conductor of auxiliary contacts Screw-type terminals  Type of connectable conductor of or auxiliary contacts Screw-type terminals  Type of connectable conductor of or auxiliary contacts Screw-type terminals  Type of connectable conductor of or auxiliary contacts Screw-type terminals  Type of connectable conductor of or auxiliary contacts Screw-type terminals  Type of connectable conductor of or auxiliary contacts Screw-type terminals  Type of connectable conductor of or auxiliary contacts Screw-type terminals  Type of connectable		2x (20 16), 2x (18 14), 2x 12	
Type of electrical connection for load-side outgoing feeder  Tightening torque [lbf·in] for load-side outgoing feeder  Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder multi-stranded  Temperature of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Screw-type terminals  CU  CU  Screw-type terminals  Tightening torque [lbf·in] at magnet coil  Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi-stranded  Temperature of the conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Type of connectable conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Type of connectable conductor at magnet coil  Type of connectable conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Type of connectable conductor at contactor for auxiliary contacts  Type of connectable conductor at contactor for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU		60 °C	
Feeder  Tightening torque [lbf-in] for load-side outgoing feeder  Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded  Temperature of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder  Type of electrical connection of magnet coil  Type of connectable conductor rorss-sections of magnet coil at AWG conductors single or multi-stranded  Temperature of the conductor at magnet coil  Type of electrical connection of rauxiliary contacts  Tightening torque [lbf-in] at contactor for auxiliary contacts  Type of connectable conductor at magnet coil  Type of one conductor at magnet coil  Type of connectable conductor for auxiliary contacts  Tightening torque [lbf-in] at contactor for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts at AWG conductors for auxiliary contacts  Type of connectable conductor for auxiliary contacts  Type of connectable conductor at contactor for auxiliary contacts and the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary contacts maximum permissible	Material of the conductor for supply	CU	
Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded  Temperature of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder  Type of electrical connection of magnet coil  Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi-stranded  Temperature of the conductor at magnet coil  Type of electrical connection of rauxiliary contacts  Tightening torque [lbf-in] at contactor for auxiliary contacts  Tightening torque [lbf-in] at contactor for auxiliary contacts  Tightening torque [lbf-in] at contactor for auxiliary contacts  Type of connectable conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf-in] at contactor for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts  Single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU  Material of the conductor at contactor for auxiliary  CU  CU  Type of connectable conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU		Screw-type terminals	
AWG conductors for load-side outgoing feeder single or multi-stranded  Temperature of the conductor for load-side outgoing feeder maximum permissible  Material of the conductor for load-side outgoing feeder  Type of electrical connection of magnet coil  Tightening torque [lbf·in] at magnet coil  Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi-stranded  Temperature of the conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Screw-type terminals  75 °C  Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Type of connectable conductor at magnet coil  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU		7 10 lbf·in	
feeder maximum permissible  Material of the conductor for load-side outgoing feeder  Type of electrical connection of magnet coil  Tightening torque [lbf·in] at magnet coil  Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multistranded  Temperature of the conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  Material of the conductor at contactor for auxiliary  CU  CU  Type of connectable conductor at contactor for auxiliary contacts  Screw-type terminals  7 10 lbf·in  2x (20 16), 2x (18 14), 2x 12  2x (20 16), 2x (18 14), 2x 12  CU  Temperature of the conductor at contactor for auxiliary contacts  Single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible	AWG conductors for load-side outgoing feeder single	2x (20 16), 2x (18 14), 2x 12	
Type of electrical connection of magnet coil  Tightening torque [lbf·in] at magnet coil  Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multistranded  Temperature of the conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts single or multi-stranded  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts  Type of connectable conductor at contactor for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  Material of the conductor at contactor for auxiliary  CU  CU  Type of connectable conductor at contactor for auxiliary contacts  Screw-type terminals  7 10 lbf·in  2x (20 16), 2x (18 14), 2x 12  Contactor at AWG conductors for auxiliary contacts  Single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary		60 °C	
Tightening torque [lbf·in] at magnet coil  Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multistranded  Temperature of the conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts  Temperature of the conductor at contactor for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU  Type of connectable conductor at contactor for auxiliary contacts  Type of connectable conductor at contactor for auxiliary contacts  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU		CU	
Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multistranded  Temperature of the conductor at magnet coil maximum permissible  Material of the conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf-in] at contactor for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU   2x (20 16), 2x (18 14), 2x 12  2x (20 16), 2x (18 14), 2x 12  CU  CU  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts  Screw-type terminals  7 10 lbf-in  2x (20 16), 2x (18 14), 2x 12  CY  CY  CY  CY  CY  CY  CY  CY  CY  C	Type of electrical connection of magnet coil	Screw-type terminals	
magnet coil at AWG conductors single or multi- stranded  Temperature of the conductor at magnet coil maximum permissible  Material of the conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf-in] at contactor for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU  Temperature of the conductor at contactor for auxiliary CU  CU  To °C  CU  Tubelian  To '' Tubelian  Tube	Tightening torque [lbf·in] at magnet coil	7 10 lbf·in	
Material of the conductor at magnet coil  Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU  CU  CU  CU  2x (20 16), 2x (18 14), 2x 12  75 °C  CU  CU  CU  CU  CU  CU  CU  CU  CU	magnet coil at AWG conductors single or multi-	2x (20 16), 2x (18 14), 2x 12	
Type of electrical connection for auxiliary contacts  Tightening torque [lbf·in] at contactor for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU  Screw-type terminals  7 10 lbf·in  2x (20 16), 2x (18 14), 2x 12  75 °C  CU  CU  CU  CU  CU  CU  CU  CU  CU		75 °C	
Tightening torque [lbf-in] at contactor for auxiliary contacts  Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  7 10 lbf-in  2x (20 16), 2x (18 14), 2x 12  75 °C  CU	Material of the conductor at magnet coil	CU	
Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU  2x (20 16), 2x (18 14), 2x 12  75 °C  75 °C	Type of electrical connection for auxiliary contacts	Screw-type terminals	
contactor at AWG conductors for auxiliary contacts single or multi-stranded  Temperature of the conductor at contactor for auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU		7 10 lbf·in	
auxiliary contacts maximum permissible  Material of the conductor at contactor for auxiliary  CU	contactor at AWG conductors for auxiliary contacts	2x (20 16), 2x (18 14), 2x 12	
	•	75 °C	
	-	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 at AWG conductors 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	Class J
the main circuit required	
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)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=3RE4121-5AA11-1JB0

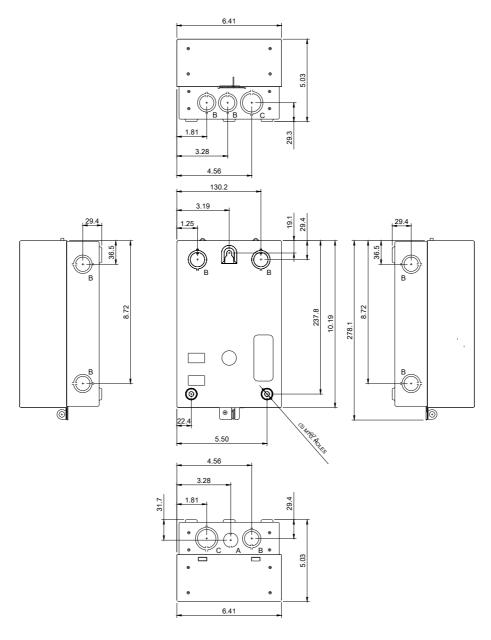
Search Datasheet in Service&Support (Manuals)

https://support.industry.siemens.com/cs/US/en/ps/3RE4121-5AA11-1JB0/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=3RE4121-5AA11-1JB0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RE4121-5AA11-1JB0&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/3RE4121-5AA11-1JB0/certificate



LETTER	KNOCKOUT & CONDUIT SIZE
Α	%%C22.2 FOR 12.7 CONDUIT
В	%%C22.2 X %%C28.6 FOR 12.7 & 19 CONDUIT
С	%%C28.6 X %%C34.9 FOR 19 & 25.4 CONDUIT

**last modified:** 04/02/2019