Data sheet

3RE4122-6AA35-4SY0

STARTER,FVNR,S0,3PH,SSOLR,120VAC,NEMA 1



product brand name	Siemens
product designation	Non-reversing motor starter
special product feature	No factory installed accessories
General technical data	
weight [lb]	8 lb
Height x Width x Depth [in]	11 × 7 × 5 in
touch protection against electrical shock	NA for enclosed products
installation altitude [ft] at height above sea level maximum	6 560 ft
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	7.5 hp
at 220/230 V rated value	7.5 hp
at 460/480 V rated value	15 hp
• at 575/600 V rated value	20 hp
Contactor	
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 typical	10 000 000
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	79 VA
apparent holding power of magnet coil at AC	8.5 VA
operating range factor control supply voltage rated value of magnet coil	0.8 1.1
ON-delay time	8 40 ms
OFF-delay time	4 16 ms
Overload relay	
product function	

overload protection phase failure detection preserver failure detection asymmetry detection easymmetry detection ground fault detection test function external reset yes external reset yes reset function Manual, automatic and remote trip class adjustment range of thermal overload trip unit adjustment range of thermal overload trip unit number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay at AC at 600 V at DC at 250 V at DC at 250 V at DC at 250 V outlact rating of auxiliary contacts of overload relay according to UL insulation voltage (Ui) with single-phase operation at AC rated value with multi-phase operation at AC rated value degree of protection NEMA rating of the enclosure design of the housing mounting position Vertical fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 2x (16 12), 2x (14 8)
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type of confiderable contractor cross-sections at inte-state total (Tu 14), 4A (14 0)
AWG cables single or multi-stranded
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
temperature of the conductor for load-side outgoing feeder maximum permissible
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)
temperature of the conductor at magnet coil maximum 75 °C permissible
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
temperature of the conductor at contactor for auxiliary contacts maximum permissible 75 °C
material of the conductor at contactor for auxiliary contacts
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
temperature of the conductor at overload relay for auxiliary contacts maximum permissible 75 °C
material of the conductor at overload relay for auxiliary contacts
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
 at 600 V
 b kA
 certificate of suitability
 UL 60947-4-1

Approvals Certificates

General Product Approval

Test Certificates other Environment





Confirmation

Environmental Confirmations

Further information

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

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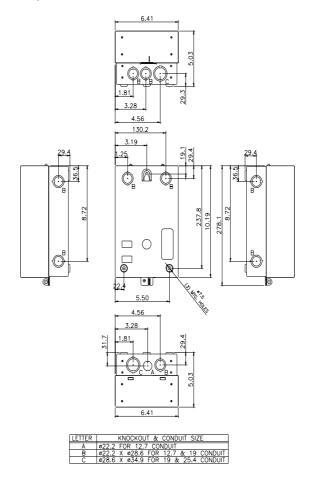
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