SIEMENS

Data sheet

STARTER,FVNR,S2,3PH,THOLR,24VAC,NEMA 1



product brand name	Siemens
product designation	Non-reversing motor starter
special product feature	No factory installed accessories
General technical data	
weight [lb]	14 lb
Height x Width x Depth [in]	14 × 8 × 7 in
touch 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
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	15 hp
• at 220/230 V rated value	15 hp
• at 460/480 V rated value	40 hp
• at 575/600 V rated value	50 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 (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), 5A@600V(P600)
Coil	
apparent pick-up power of magnet coil at AC	188 VA
apparent holding power of magnet coil at AC	16.5 VA
operating range factor control supply voltage rated value of	0.8 1.1

magnet coil ON-delay time OFF-delay time 10 80 ms OFF-delay time overload relay product function • overload protection • overload protection • etest function • external reset reset function adjustment range of thermal overload trip unit number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay contact rating of auxiliary contacts of overload relay according to UL Enclosure degree of protection NEMA rating of the enclosure design of the housing mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply mountor of NC contacts of overload relay according to 10 80 ms Yes Yes Yes Yes Yes Yes Yes Yes	
OFF-delay time 10 18 ms Overload relay product function • overload protection Yes • test function Yes reset function Manual, automatic and remote (with optional accessory) adjustment range of thermal overload trip unit 28 40 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 1 contact rating of auxiliary contacts of overload relay 20 Lu Enclosure degree of protection NEMA rating of the enclosure Assign 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 Box lug tightening torque [libf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible 60 °C	
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material of the conductor for supply	
type of electrical connection for load-side outgoing feeder Box lug	
tightening torque [lbf-in] for load-side outgoing feeder 26 39 lbf-in	
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded 2x (18 2), 1x (18 1)	
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 (18 2), 1x (18 1)	
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	
temperature of the conductor at contactor for auxiliary contacts maximum permissible 75 °C	
material of the conductor at contactor for auxiliary contacts	
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	
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	
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	
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,...)

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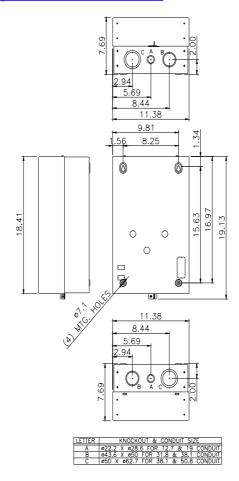
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