SIEMENS

Data sheet

US2:17DUA82NL11



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 0.25-1A, 240V 50Hz / 277V 60Hz coil, Combination type, 30A fusible disconnect, 30A/600V fuse clip, Enclosure NEMA type 4/12, Water/dust tight for outdoors, Extra-wide enclosure

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product brand name	Class 17
design of the product	Non-reversing motor starter with fusible disconnect
special product feature	ESP200 overload relay
General technical data	
weight [lb]	47 lb
Height x Width x Depth [in]	24 × 20 × 8 in
touch protection against electrical shock	NA for enclosed products
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
 during storage 	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
 during storage 	-30 +65 °C
during operation	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	0 hp
• at 220/230 V rated value	0 hp
• at 460/480 V rated value	0.33 hp
• at 575/600 V rated value	0.5 hp
Contactor	
size of contactor	NEMA controller size 1
number of NO contacts for main contacts	3
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
operational current at AC at 600 V rated value	27 A
mechanical service life (switching cycles) of the main contacts typical	1000000
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum	8
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	

		240.1/
holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 216 VA apparent holding power of magnet coil at AC 25 VA operating range factor control supply voltage rated value of magnet coil 0.85 1.1 of modifier control supply voltage rated value of magnet coil 0.85 1.1 ON-delay time 19 29 ms OFF-delay time 10 24 ms Overload rolay Yes product function Yes • exprander load protection Yes • esymmetry detection Yes • esymmetry detection Yes • est function Yes reset function Menual, automatic and remote Trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overload release 0.5 1 A tripping time or phase-loss maximum 3 s relative repeat accuracy 1% perdud fastulting vontacts of overload relay 1 routber of NC contacts of auxiliary contacts of overload relay 1 externed of sublact on auxiliary contacts of overload relay 1 <t< td=""><td>at AC at 50 Hz rated value</td><td>240 V</td></t<>	at AC at 50 Hz rated value	240 V
apparent pick-up power of magnet coil at AC 218 VA apparent holding power of magnet coil at AC 25 VA operating range factor control supply voltage reted value 0.551.1 of magnet coil 95		
apparent holding power of magnet coil at AC 25 VA operating range factor control supply voltage rated value of magnet coil 0.65 1.1 percental drop-out valage of magnet coil related to the input voltage. 50 % ON-delay time 10 24 ms OVerload relay 10 24 ms Overload protection Yes • available transmitry detection Yes • available transmitry detection Yes • available current response value current of the current- dependent overload release Yes reset function Yes • external reset Yes reset function Yes • external reset Yes reset function Manual, automatic and remote trip class CLASS 67 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overload release 0.25 1 A product feature protective coating on printed-circuit board relay 1% product feature protective coating on printed-circuit board relay 1 number of NC contacts of auxiliary contacts of overload relay 1 orbit reling-phase operation at AC rated value 600 V • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5 A instaution voltage (UI) • with multi-pha		
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input voltage 19 29 ms OFF-delay time 10 24 ms Overload relay input state product function Yes • overload protection Yes • overload protection Yes • overload protection Yes • overload metry detection Yes • overload metry detection Yes • external reset Yes reset function Yes external reset Yes reset function Manual, automatic and remote trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of auxiliary contacts of overload 1 relative repeat accuracy 1% product feature protective coaling on printed-circuit board 1 number of NC contacts of auxiliary contacts of overload relay 60 operational current of auxiliary contacts of overload relay 600 V • at AC at 600 V 5 A • at C at 250 V 1A	of magnet coil	
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product function Yes • overload protection Yes • phase failure detection Yes • asymmetry detection Yes • asymmetry detection Yes • est function Yes • est function Yes • external reset Yes reset function Manual, automatic and remote Itip class CLASS 57 10 / 20 (factory set) / 30 adjustable current response value current of the current- 0.25 1 A dependent overload release 0.25 1 A product feature protective coating on printed-circuit board 1% relative repeat accuracy 1 % product feature protective coating on printed-circuit board 1 number of NC contacts of auxiliary contacts of overload 1 operational current of auxiliary contacts of overload relay 1 outcat rating of auxiliary contacts of overload relay 5 Å eat DC at 250 V 1 Å contact rating of auxiliary contacts of overload relay 30/ 600 V with multi-phase operation at AC rated value 300 V Disconnect Switch 200 <td>OFF-delay time</td> <td>10 24 ms</td>	OFF-delay time	10 24 ms
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tightening torque [lbf·in] for supply35 35 lbf·intype of connectable conductor cross-sections at line-side1x (14 2 AWG)		
type of connectable conductor cross-sections at line-side 1x (14 2 AWG)		-
	at AWG cables single or multi-stranded	
temperature of the conductor for supply maximum 75 °C 75 °C	permissible	
material of the conductor for supply AL or CU		
type of electrical connection for load-side outgoing feeder Screw-type terminals		Screw-type terminals
tightening torque [lbf·in] for load-side outgoing feeder 20 24 lbf·in		20 24 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 2x (14 10 AWG)	cables for load-side outgoing feeder single or multi-	2x (14 10 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °C		75 °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	5 12 lbf·in	
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	2x (16 12 AWG)	
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	10 15 lbf·in	
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)	
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 at AWG cables for auxiliary contacts single or multi- stranded	2x (20 14 AWG)	
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °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	10kA@600V (Class H or K); 100kA@600V (Class R or J)	
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14	
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=US2:17DUA82NL11 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17DUA82NL11 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)		
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17DUA82NL11⟨=en		
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17DUA82NL11/certificate		

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