SIEMENS

Data sheet

US2:17HUG82NF14



Non-reversing motor starter, Size 3, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, 110V 50Hz / 120V 60Hz coil, Combination type, 100A fusible disconnect, 100A/250V fuse clip, Enclosure NEMA type 4/12, Water/dust tight for outdoors, Extra-wide enclosure

	Fi	gu	re	si	mi	lar
--	----	----	----	----	----	-----

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]	81 lb			
Height x Width x Depth [in]	36 × 24 × 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 	20 hp			
 at 220/230 V rated value 	25 hp			
 at 460/480 V rated value 	0 hp			
 at 575/600 V rated value 	0 hp			
Contactor				
size of contactor	NEMA controller size 3			
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	90 A			
mechanical service life (switching cycles) of the main contacts typical	500000			
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	7			
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				

• at AC at 60 Hz rated value 110 V • bidling power at AC minimum 14 W apparent holding power of magnet coll at AC 26 VA operating range factor control supply voltage rated value of magnet coll 0.85 1.1 operating range factor control supply voltage rated value of magnet coll 0.85 1.1 percental drop-out voltage of magnet coll related to the input voltage 50 % OV-foldally time 28 41 ms OVerload relay 14 19 ms Overload roles Yes • ground fault detection Yes • ground fault detection Yes • external reset Yes * fipting time at phase-focus maximum 3 s relative repeat accuracy 10 / 20 (factory set) / 30 adjustable current reproces vocating on printed-circuit board 1 rumber of NC contacts of auxiliary contacts of overload relay 5 A • at AC at 600 V 1 A • at AC at 600 V 5 A • at AC at 600 V 5 A • at AC at 600 V 1 A reserturation of auxiliary contacts of overload relay 5 A • at AC at 600 V	
holding power at AC minimum 14 W apparent pick-up power of magnet coil at AC 310 VA apparent holding power of magnet coil at AC 28 VA operating range factor control supply voltage rated value of magnet coil 0.85 1.1 of reduct function 0.85 1.1 OV-delay time 25 41 ms OV-delay time 26 41 ms OV-delay time 14 19 ms Overload rolay Yes product function Yes • operating range factor on the system Yes • operating range factor on the system Yes • operading protection Yes • aground fault detection Yes • estimation Yes reset function Yes tripor dass CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overload release Yes triping time at phase-loss maximum 3 s relative repeat accuracy 1% product facture protective coating on printed-dricut board 1 number of NC contacts of auxiliary contacts of overload relay 3 s	
apparent pick-up power of magnet coil at AC 310 VA apparent holding power of magnet coil at AC 26 VA operating range factor control supply voltage rated value 0.85 1.1 of magnet coil 50 % ON-delay time 28 41 ms OVerload ratay 50 % product function Yes • overload protection Yes • overload protection Yes • ground fault detection Yes • estimation Yes • estimation Yes • esternal reset Yes reset function Yes • esternal reset Yes reset function Yes reset function CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current-dependent overload relase 1% trippid time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board 1 number of NC contacts of auxiliary contacts of overload relay 3 s relative repeat accuracy 1 % <tr< td=""><td></td></tr<>	
apparent holding power of magnet coil at AC 26 VA operating range factor control supply voltage rated value of magnet coil 0.85 1.1 percental drop-out voltage of magnet coil related to the input voltage. 50 % ON-delay time 26 41 ms OV-delay time 26 41 ms OV-delay time 14 19 ms Ovarioad rolay Yes product function Yes • external reset Yes reset function Manual, automatic and remote tripping time at phase-loss maximum 3 s tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes • at DC at 260 V 1 A contact rating of auxiliary contacts of overload relay 600 V • at DC at 260 V 1 A contact rating of auxiliary contacts of overload relay 600 V • at DC at 260 V 1 A <	
operating range factor control supply voltage rated value of magnet coll 0.85 1.1 precental drop-out voltage of magnet coll related to the input voltage 50 % ON-delay time 26 41 ms OFF-delay time 14 19 ms Overload rice Yes • overload protection Yes • phase failure detection Yes • estimated reset Yes • estimate reset Yes • esternal reset Yes • esternal 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- degendent overload relase 25 100 A relative reported veroread relase 3 s relative reported accuracy 1 % product feature protective coating on printed-circuit board 1 relative reported accuracy 1 % product feature protective coating of overload relay 3 s relative rola dusting contacts of overload relay 1 <	
prevental drop-out voltage of magnet coil related to the input voltage 50 % ON-delay time 26 41 ms OVerfoad relay 7 product function Yes • okrada protection Yes • product function Yes • product function Yes • product function Yes • esternal reset Yes reset function Yes • external reset Yes reset function Yes thp class CLASS 57 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overfoad release 25 100 A tripping time at phase-loss maximum 3 s relative reports overfoad quality contacts of overload relay 1 % porduct feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay 1 A operational current of auxiliary contacts of overload relay according to UL 5 A insultation voltage (Ui) 600 V • at DC at 250 V 5 A relay 700 V poperation at AC rated value 600 V	
ON-delay time 26 41 ms OFF-delay time 14 19 ms Product function Yes • optase failure detection Yes • asymmetry detection Yes • external reset Yes reset function Yes • external reset Yes reset function Manual, automatic and remote trip class CLASS 57 10 / 20 (factory set) / 30 adjustable current response value current of the current-dependent vertorlad release 25 100 A tripping time at phase-loss maximum 3 s relative reposet accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload 1 relay operational current of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 5 A insulation voltage (UI) insulation voltage (UI) 5 A insulation voltage (UI) 600 V 5 A insulation voltage (UI) 600 V 5 A response value of switch disconnector 100A / 250V </td <td></td>	
OFF-delay time 14 19 ms Overload rolay product function • overload protection Yes • phase failure detection Yes • asymmetry detection Yes • est function Yes • est function Yes • external reset Yes reset function Yes itip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overload release tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board 1 number of NC contacts of auxiliary contacts of overload 1 relay • at AC at 600 V 1 • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay 5A@@00VAC (B600), 1A@250VDC (R300) issulation voltage (UI) • with single-phase operation at AC rated value 00 V • with multi-phase operation at AC rated value 000 V 00 V Disconnect Switch Class R fuse clips 000 V design of tuse link Class R fuse clips <td< td=""><td></td></td<>	
Overload rolay product function • orbase failure detection • phase failure detection • asymmetry detection • esterial reset • est function • esterial reset reset function dependent overload release trip class adjustable current response value current of the current- dependent overload release tripping time at phase-loss maximum 3 s relative repeat accuracy product feature protective coating on printed-circuit board relay number of NC contacts of auxiliary contacts of overload relative repeat accuracy operational current of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay according to UL insultation voltage (U) • at DC at 250 V insultation voltage (U) • with multi-phase operation at AC rated value operating to UL insultation voltage (U) • with multi-phase operation at AC rated value 000 V ool V • with multi-phase operation at AC rated value 000 V </td <td></td>	
product function Yes • overload protection Yes • phase failure detection Yes • asymmetry detection Yes • ground fault detection Yes • esternal 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- 25 100 A dependent overload release 1 % product feature protective coating on printed-circuit board 1 % relative repeat accuracy 1 % product feature protective coating on printed-circuit board 1 number of NO contacts of auxiliary contacts of overload 1 relay 1 AC at 600 V 5 A at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay 5 A according to U 5 A insulation voltage (Ui) 600 V • with multi-phase operation at AC rated value 600 V operating class of the fuse link Class R Constact Switch Class R response	
overload protection ophase failure detection ves ophase failure detection ves ophase failure ves ves	
Phase failure detection Yes asymmetry detection Yes aground fault detection Yes ground fault detection Yes ground fault detection Yes external reset Yes reset function Yes reset function Yes adjustable current response value current of the current- dependent overload release trip class adjustable current response value current of the current- dependent overload release tripping time at phase-loss maximum relative repeat accuracy 1% product feature protective coating on printed-circuit board relay reset NN C contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay eat AC at 600 V at AC at 600 V at AC at 600 V sol 220 V 1A contact rating of auxiliary contacts of overload relay insulation voltage (U) with single-phase operation at AC rated value 600 V sol V design of fuse holder class R fuse clips coparating class of the fuse link Class R tese clips class R fuse clips class R tese clips class tese clips	
• lest 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- dependent overload release 25 100 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay according to UL 5 A insulation voltage (Ui) 4A C at 600 V 5 A • at DC at 250 V 5 A insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips response value of switch disconnector Class R fuse clips operation Starting 4, 12 design of fuse holder Class R fuse clips operating lass of the fuse link Class R Enclosure dustproof, waterproof & weatherproof Mountin	
• 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- dependent overload release 25 100 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board relay Yes number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay eacording to UL 5 A insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 300 V Disconnect Switch Class R Use clips response value of switch disconnector 100A / 250V degree of protection NEMA rating 4, 12 degree of protection NEMA rating 4, 12 design of the housing Surface mounting and installation fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [libf-in] for sup	
reset function Manual, automatic and remote trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overload release 25 100 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1% product feature protective coating on printed-circuit board relay 1% number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with single-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips response value of switch disconnector Class R Les clips operating class of the fuse link Class R Enclosure 4, 12 degree of protection NEMA rating 4, 12 design of the housing Surface mounting and installation fastening method Surface mounting and installation <td></td>	
trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overload release 25 100 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) • with single-phase operation at AC rated value 600 V • with single-phase operation at AC rated value 600 V 00 V Disconnect Switch Class R fuse clips 00 operating class of the fuse link Class R Class R Enclosure degree of protection NEMA rating 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting josition vertical Surface mounting and installation testing of the housing Surface mounting and installation type of clearctrial conn	
adjustable current response value current of the current- dependent overload release 25 100 Å tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 5 Å • at DC at 250 V 1 Å contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V 300 V Disconnect Switch 100A / 250V Class R fuse clips response value of switch disconnector 100A / 250V Class R fuse clips operating class of the fuse link Class R Class R Enclosure 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wring vertical Surface mounting and installation type of electrical connection for supply voltage line-side Box lug Box lug <t< td=""><td></td></t<>	
relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload 1 number of NO contacts of auxiliary contacts of overload 1 operational current of auxiliary contacts of overload relay 1 • at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) according to UL 600 V insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V Disconnect Switch 100A / 250V response value of switch disconnector 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring vertical mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side	
relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload 1 number of NO contacts of auxiliary contacts of overload 1 operational current of auxiliary contacts of overload relay 1 • at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) according to UL 600 V insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V Disconnect Switch 100A / 250V response value of switch disconnector 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring vertical mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side	
number of NC contacts of auxiliary contacts of overload relay 1 number of NO contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 • at DC at 250 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5 A insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips response value of switch disconnector 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure design of the housing mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbrin] for supply 120 120 lbrin type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
relay 1 number of NO contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips response value of switch disconnector 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure design of the housing design of the housing 4, 12 design of the housing Surface mounting and installation mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
relay operational current of auxiliary contacts of overload relay • at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay 5A@600VAC (B600), 1A@250VDC (R300) according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring vertical mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
• at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V • • with multi-phase operation at AC rated value 300 V Disconnect Switch 7 response value of switch disconnector 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring 9 mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
• at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch response value of switch disconnector 100A / 250V Class R fuse clips operating class of the fuse link Class R Class R Enclosure degree of protection NEMA rating 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) 600 V with single-phase operation at AC rated value 600 V with multi-phase operation at AC rated value 300 V Disconnect Switch 100A / 250V response value of switch disconnector 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure design of the housing mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
according to UL insulation voltage (Ui) • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch 300 V response value of switch disconnector 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4, 12 degree of protection NEMA rating 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
 with single-phase operation at AC rated value with multi-phase operation at AC rated value 300 V Disconnect Switch response value of switch disconnector 100A / 250V design of fuse holder Olass R fuse clips Operating class of the fuse link Class R Enclosure degree of protection NEMA rating d. 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side box lug tightening torque [lbf-in] for supply t20 120 lbf-in tx (14 1/0 AWG) 	
with multi-phase operation at AC rated value 300 V Disconnect Switch response value of switch disconnector 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure degree of protection NEMA rating 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
Disconnect Switch response value of switch disconnector 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure degree of protection NEMA rating 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
response value of switch disconnector 100A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure degree of protection NEMA rating design of the housing 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring mounting position restening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure degree of protection NEMA rating 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
operating class of the fuse link Class R Enclosure degree of protection NEMA rating 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
Enclosure degree of protection NEMA rating 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring mounting position mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
degree of protection NEMA rating 4, 12 design of the housing dustproof, waterproof & weatherproof Mounting/wiring mounting position mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
design of the housing dustproof, waterproof & weatherproof Mounting/wiring vertical mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
Mounting/wiring mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug tightening torque [lbf-in] for supply 120 120 lbf-in type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
mounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf-in] for supply120 120 lbf-intype of connectable conductor cross-sections at line-side1x (14 1/0 AWG)	
fastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply120 120 lbf·intype of connectable conductor cross-sections at line-side1x (14 1/0 AWG)	
type of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply120 120 lbf·intype of connectable conductor cross-sections at line-side1x (14 1/0 AWG)	
tightening torque [lbf·in] for supply120 120 lbf·intype of connectable conductor cross-sections at line-side1x (14 1/0 AWG)	
type of connectable conductor cross-sections at line-side 1x (14 1/0 AWG)	
temperature of the conductor for supply maximum 75 °C 75 °C	
material of the conductor for supply AL or CU	
type of electrical connection for load-side outgoing feeder Box lug	
tightening torque [lbf·in] for load-side outgoing feeder 120 120 lbf·in	
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 1x (14 2/0 AWG)	
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °C	

material of the conductor for load-side outgoing feeder	AL or 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=US2:17HUG82NF14				
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17HUG82NF14				
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17HUG82NF14⟨=en				
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17HUG82NF14/certificate				

last modified:

1/25/2022 🖸