## SIEMENS

## Data sheet

## US2:17HUG82NH16



Non-reversing motor starter, Size 3, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, Combination type, 200A fusible disconnect, 200A/250V fuse clip, Enclosure NEMA type 4/12, Water/dust tight for outdoors, Extra-wide enclosure

Figure	simi	lar
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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]	113 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]	
<ul> <li>during storage</li> </ul>	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
<ul> <li>during storage</li> </ul>	-30 +65 °C
<ul> <li>during operation</li> </ul>	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
<ul> <li>at 200/208 V rated value</li> </ul>	25 hp
<ul> <li>at 220/230 V rated value</li> </ul>	30 hp
• at 460/480 V rated value	0 hp
<ul> <li>at 575/600 V rated value</li> </ul>	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 50 Hz rated value       440 480 V         holding power at AC minimum       14 W         apparent pick-up power of magnet coil at AC       310 VA         apparent pick-up power of magnet coil at AC       310 VA         apparent holding power at AC minimum       14 W         apparent holding power of magnet coil at AC       36 VA         operating range factor control supply voltage rated value of magnet coil       0.85 1.1         ofter delay time       0.85 1.1         ON-delay time       0.8 41 ms         OFF-delay time       14 19 ms         OVerload protection       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • esternal reset       Yes         reset function       Yes         trip class       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current- dependent overhoad release       1         tripping time at phase-loss maximum       3 s         relative repeat accuracy       1 %         product feature protective coating on printed-circuit band relay       1         operational current of auxiliary contacts of overload relay       1 AC at 600 V         • at AC at 500 V       5 A         • at AC a	
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       26 VA         operating range factor control supply voltage rated value of magnet coil       0.85 1.1         oftraget       0.85 1.1         ON-delay time       0.85 1.1         ON-delay time       26 41 ms         OVerload protection       Yes         • phase failure detection       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • external reset       Yes         reset function       Yes         ves       Ves         external reset       Yes         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         number of NC contacts of auxiliary contacts of overload relay       5 Å         operational current of auxiliary contacts of overlo	
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 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         OVerload relay       74 19 ms         product function       Yes         • overload protection       Yes         • ground fault detection       Yes         • ground fault detection       Yes         • est function       Yes         • est function       Yes         • est function       Yes         • est function       Yes         reset function       Yes         reset function       Yes         relay table current response value current of the current- dependent overload release       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current- dependent overload release       1 %         tripping time at phase-loss maximum       3 s         relay       3 s       1         number of NC contacts of auxiliary contacts of overload relay       1 %         operational current of auxiliary contacts of overload relay ei at Cat 800 V       5 A	
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       0.85 1.1         ON-delay time       26 41 ms         OFF-delay time       14 19 ms         Overload rolay       7es         product function       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • external reset       Yes         reset function       Yes         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 A         operational current of auxiliary contacts of overload relay eacording to UL       5 A         i at DC at 250 V       1 A         ontact raing of auxiliary contacts of overload relay eacording to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (UI)       with multi-phase operation at A	
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         50 %           input voltage         50 %           ON-delay time         26 41 ms           OFF-delay time         14 19 ms           Overload rolay         14 19 ms           product function         Yes           e phase failure detection         Yes           e ground fault detection         Yes           e symmetry detection         Yes           e sternal reset         Yes           reset function         Yes           external reset         Yes           reset function         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           operational current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         5 A           eta CC at 260 V         1 A           contact rating of auxiliary contacts of overload	
of magnet coli       50 %         percental drop-out voltage of magnet coli related to the input voltage       50 %         ON-delay time       26 41 ms         OFF-delay time       14 19 ms         Overload rolay       product function         product function       Yes         • overload protection       Yes         • product function       Yes         • asymmetry detection       Yes         • ground fault detection       Yes         • external reset       Yes         reset function       Yes         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       1         number of NC contacts of auxiliary contacts of overload       1         relay       operational current of auxiliary contacts of overload relay         • at AC at 800 V       1A         contact rating of auxiliary contacts of overload relay       5A         • at AC at 800 V       1A         contact rating of auxiliary contacts of overload relay       5A	
input voltage       26 41 ms         OFF-delay time       14 19 ms         Overload relay       product function         • overload protection       Yes         • apmetry detection       Yes         • aground fault detection       Yes         • ground fault 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-       25 100 A         dependent overload release       1%         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       1         relay       1       1         operational current of auxiliary contacts of overload relay       5A         • at DC at 250 V       1 A         contact raing of auxiliary contacts of overload relay       5A@@00VAC (B600), 1A@250VDC (R300)         according to UL       insulation voltage (U)       600 V	
OFF-delay time       14 19 ms         Overload relay <ul> <li>product function</li> <li>overload protection</li> <li>phase failure detection</li> <li>asymmetry detection</li> <li>ground fault detection</li> <li>Yes</li> <li>ground fault detection</li> <li>Yes</li> <li>external reset</li> <li>reset function</li> <li>digustable current response value current of the current- dependent overload release</li> <li>tripping time at phase-loss maximum</li> <li>relative repeat accuracy</li> <li>number of NC contacts of auxiliary contacts of overload relay</li> <li>operational current of auxiliary contacts of overload relay</li> <li>eat C at 250 V</li> <li>at DC at 250 V</li> <li>biscontect sof auxiliary contacts of value</li> <li>with single-phase operation at AC rated value</li> <li>600 V</li> <li>sou V</li> <li>Discontect Switch</li> <li>Discontect Switch</li> </ul> <li>Discontect Switch</li>	
Overload relay           product function           • overload protection           • phase failure detection           • asymmetry detection           • ground fault detection           • ground fault detection           • test function           • external reset           reset function           trip 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           product feature protective coating on printed-circuit board           relay           number of NC contacts of auxiliary contacts of overload           relay           operational current of auxiliary contacts of overload relay           • at DC at 250 V           contact rating of auxiliary contacts of overload relay           according to UL           insulation voltage (Ui)           • with single-phase operation at AC rated value           600 V           900 V	
product function       • overload protection       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • ground fault detection       Yes         • ground fault detection       Yes         • est function       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-       dependent overload release         tripping time at phase-loss maximum       3 s         relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       Yees         number of NC contacts of auxiliary contacts of overload       1         relay       operational current of auxiliary contacts of overload relay       4 AC at 600 V         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A@@00VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V       Disconnect Switch	
• overload protection       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • ground fault detection       Yes         • ground fault detection       Yes         • est 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-       25 100 A         dependent overload release       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         elay       et AC at 600 V       5 A         • at DC at 250 V       1 A       25	
<ul> <li>phase failure detection</li> <li>phase failure detection</li> <li>asymmetry detection</li> <li>ground fault detection</li> <li>ground fault detection</li> <li>ground fault detection</li> <li>Yes</li> <li>external reset</li> <li>Yes</li> <li>external reset</li> <li>Yes</li> <li>ctass</li> <li>CLASS 5 / 10 / 20 (factory set) / 30</li> <li>adjustable current response value current of the current- dependent overload release</li> <li>trip class</li> <li>CLASS 5 / 10 / 20 (factory set) / 30</li> <li>adjustable current response value current of the current- dependent overload release</li> <li>tripping time at phase-loss maximum</li> <li>3 s</li> <li>relative repeat accuracy</li> <li>product feature protective coating on printed-circuit board</li> <li>number of NC contacts of auxiliary contacts of overload</li> <li>relay</li> <li>operational current of auxiliary contacts of overload relay</li> <li>at AC at 600 V</li> <li>at DC at 250 V</li> <li>ta C at 250 V</li> <li>ta C contact of overload relay</li> <li>according to UL</li> <li>insulation voltage (UI)</li> <li>with single-phase operation at AC rated value</li> <li>with multi-phase operation at AC rated value</li> <li>300 V</li> </ul>	
• asymmetry detection         Yes           • ground fault detection         Yes           • test 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         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         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         insulation voltage (Ui)         600 V           • with multi-phase operation at AC rated value         300 V	
Ground fault detection     Ground fault detection     Evest function     Ves     external reset     Yes     reset function     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     tripping time at phase-loss maximum     relative repeat accuracy     1 %     product feature protective coating on printed-circuit board     relay     number of NC contacts of auxiliary contacts of overload     relay     operational current of auxiliary contacts of overload     relay     operational current of auxiliary contacts of overload     relay     operational current of auxiliary contacts of overload relay     e at AC at 600 V     f AC     at DC at 250 V     f A     contact rating of auxiliary contacts of overload relay     insulation voltage (Ui)     e with single-phase operation at AC rated value     four overload relay     with multi-phase operation at AC rated value     with multi-phase operation at AC rated value     full output  Disconnect Switch	
• test 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           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           • with single-phase operation at AC rated value         600 V           • with multi-phase operation at AC rated value         300 V	
• 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         number of NO contacts of auxiliary contacts of overload relay       1         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 according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V	
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         eat AC at 600 V       5 A         e 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)       600 V       300 V         e with multi-phase operation at AC rated value       300 V	
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         e 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)       600 V         with single-phase operation at AC rated value       600 V         with multi-phase operation at AC rated value       300 V	
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         number of NO contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         • 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)       600 V         • with single-phase operation at AC rated value       300 V         Disconnect Switch       1	
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         number of NO contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         • 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)       600 V         • with single-phase operation at AC rated value       300 V         Disconnect Switch       1	
relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         relay       1         number of NO contacts of auxiliary contacts of overload       1         relay       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       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       300 V	
relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         relay       1         number of NO contacts of auxiliary contacts of overload       1         relay       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       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       300 V	
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 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)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V	
relay       number of NO contacts of auxiliary contacts of overload relay       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)         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	
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 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	
• 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         • with multi-phase operation at AC rated value       600 V         • Disconnect Switch       300 V	
• 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         • with multi-phase operation at AC rated value       600 V         • Disconnect Switch       300 V	
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	
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	
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	
with single-phase operation at AC rated value     with multi-phase operation at AC rated value     300 V  Disconnect Switch	
• with multi-phase operation at AC rated value 300 V Disconnect Switch	
Disconnect Switch	
response value of switch disconnector 200A / 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 275 275 lbf·in	
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded 1x (6 AWG 300 Kcmil)	
temperature of the conductor for supply maximum 75 °C permissible	
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 75 °C maximum permissible	

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=US2:17HUG82NH16		
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17HUG82NH16		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) <u>http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17HUG82NH16⟨=en</u> Certificates/approvals		
https://support.industry.siemens.com/cs/US/en/ps/US2:17HUG82NH16/certificate		

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