## SIEMENS

## Data sheet

## US2:14DUE82BF



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 10-40A, 110V 50Hz / 120V 60Hz coil, Non-combination type, Enclosure type 1, Indoor general purpose use, Extra-wide enclosure

Figuresimilar
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product brand name         Class 14           design of the product         Full-voltage non-reversing motor starter           special product feature         ESP220 overload relay           Ceneral tochnical data         ESP220 overload relay           weight [b]         20 k 12 × 8 in           Height X Wdth x Depth [m]         20 x 12 × 8 in           touch protection against electrical shock         (NA for enclosed products)           installation altitude [T] at height above sea level maximum         6660 ft           ambient temperature [F]         -22 +149 °F           • during operation         -4 +104 °F           ambient temperature         -30 +65 °C           • during operation         -20 +40 °C           country of origin         USA           Horsopowar ratings         yielded mechanical performance [hp] for 3-phase AC motor           • at 200/208 V rated value         7.5 hp           • at 200/208 V rated value         7.5 hp           • at 200/208 V rated value         0 hp           e during voltage for main current circuit at AC at 60 Hz maximum         3           operating voltage for main current circuit at AC at 60 Hz maximum         3           operating voltage for main current circuit at AC at 60 Hz maximum         1           operating voltage for main curren		
special product feature         ESP200 overload relay           General technical data	product brand name	Class 14
General technical data       20 lb         weight [Ib]       20 k12 × 8 in         Icuch protection against electrical shock       (NA for enclosed products)         installation altitude [I] at height above sea level maximum       6560 ft         ambient temperature ['F]       -22 +149 "F         • during operation       -4 +104 "F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         county of origin       USA         yleided mechanical performance [hp] for 3-phase AC       -20 +40 °C         outry of argin       USA         yleided mechanical performance [hp] for 3-phase AC       -5 hp         ot at 200/280 V rated value       7.5 hp         • at 200/280 V rated value       0 hp         • at 200/280 V rated value       0 hp         contactor       Size of contactor         number of NC contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       3         operating voltage for main current circuit at AC at 60 Hz       600 V         mechanical service life (switching cycles) of the main contacts       600 V         mechanical service life (switching cycles) of the main contacts the main contacts typical       10000000         number of NC contacts at	design of the product	Full-voltage non-reversing motor starter
weight [b]     20 lb       Height x Widh x Depth [in]     20 × 12 × 8 in       touch protection against electrical shock     (NA for enclosed products)       installation attitude [fi] at height above sea level maximum     6660 ft       ambient temperature [°F]     -22 +149 °F       • during storage     -32 +165 °C       • during storage     -30 +65 °C       • during voltage formance [hp] for 3-phase AC     motor       motor     • at 200/208 V rated value     7.5 hp       • at 200/208 V rated value     0 hp       • at 420/430 V rated value     0 hp       • at 420/430 V rated value     0 hp       • at 55/600 V rated value     0 hp       • size of contactor     NEMA controller size 1       number of NC contacts for main current circuit at AC at 60 Hz     600 V       maximum     0       operating voltage for main current during y contacts     3       number of NC contacts at contactor for auxiliary contacts     1       number of NC contacts at contactor for auxiliary contacts     0       number of NC contacts at contactor for auxiliary contacts     1       number of NC contacts at c	special product feature	ESP200 overload relay
Height X Width x Depth [in]       20 × 12 × 8 in         touch protection against electrical shock       (NA for enclosed products)         installation altitude [ft] at height above sea level maximum       6660 ft         ambient temperature ['F]       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature ['F]       -20 +65 °C         • during operation       -20 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC         motor       • at 2200/208 V rated value       7.5 hp         • at 2200/208 V rated value       0 hp         • at 420/480 V rated value       0 hp         • at 460/480 V rated value       0 hp         • at 420/208 V rated value       0 hp         • at 420/280 V rated value       0 hp         • at 420/280 V rated value       0 hp         • at 460/480 V rated value       0 hp         • at 460/480 V rated value       1         • operating voltage for main contracts       3         operating voltage for main current circuit at AC at 60 Hz       3         operating voltage for main current circuit at AC at 60 Hz       27 A         number	General technical data	
Use protection against electrical shock       (NA for enclosed products)         installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature ['F]       -22 +149 "F         • during operation       -4 +104 "F         ambient temperature       -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       7.5 hp         • at 2220/23 V rated value       7.5 hp         • at 460/480 V rated value       0 hp         • at 25/500 V rated value       0 hp         • at 55/500 V rated value       3         operating voltage for main contacts       3         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         maximum       27 A         operating voltage for main current circuit at AC at 60 Hz maximum       10000000         operating voltage for main current circuit at AC at 60 Hz maximum       10000000         Auxiliary contact       1       10000000         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC	weight [lb]	20 lb
installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature ['F]       -22 +149 "F         • during operation       -4 +104 "F         ambient temperature       -30 +65 "C         • during operation       -20 +40 "C         country of origin       USA         Horsepower ratings       -20 +40 "C         yielded mechanical performance [hp] for 3-phase AC motor       0 sa         • at 220/230 V rated value       7.5 hp         • at 220/230 V rated value       7.5 hp         • at 450/480 V rated value       0 hp         contactor       NEMA controller size 1         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       7.4 maximum         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       1         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO conta	Height x Width x Depth [in]	20 × 12 × 8 in
ambient temperature ["F]       -22 +149 "F         • during storage       -22 +149 "F         • during operation       -4 +104 "F         ambient temperature       -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         • at 200/208 V rated value       7.5 hp         • at 200/208 V rated value       0 hp         • at 420/200 V rated value       0 hp         • at 575/600 V rated value       0 hp         Contactor       1         size of contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       27 A         operational current at AC at 600 V rated value       27 A         number of NC contacts at contactor for auxillary contacts       1 <td< td=""><td>touch protection against electrical shock</td><td>(NA for enclosed products)</td></td<>	touch protection against electrical shock	(NA for enclosed products)
• during storage     -22 +149 °F       • during operation     -4 +104 °F       ambient temperature     -30 +65 °C       • 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       • at 200/208 V rated value     7.5 hp       • at 260/430 V rated value     0 hp       • at 460/480 V rated value     0 hp       • at 575/600 V rated value     0 hp       Contactor     NEMA controller size 1       number of NO contacts for main contacts     3       operating voltage for main current circuit at AC at 60 Hz     3       operational current at AC at 600 V rated value     27 A       mechanical service life (switching cycles) of the main     10000000       contacts typical     10000000       Auxiliary contacts at contactor for auxiliary contacts     0       number of NO contacts at contactor for auxiliary contacts     1       number of total auxiliary contacts of contactor for auxiliary contacts     1       number of NO contacts at contactor for auxiliary contacts     1       number of total auxiliary contacts of contactor according to UL     10A@600VAC (A6000), 5A@600VDC (P600)       Coli <td>installation altitude [ft] at height above sea level maximum</td> <td>6560 ft</td>	installation altitude [ft] at height above sea level maximum	6560 ft
• during operation       -4 +104 °F         ambient temperature       -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       7.5 hp         • at 220/230 V rated value       7.5 hp         • at 220/208 V rated value       0 hp         • at 220/208 V rated value       0 hp         • at 575/600 V rated value       0 hp         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       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts	ambient temperature [°F]	
ambient temperature	during storage	-22 +149 °F
• 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       7.5 hp         • at 220/230 V rated value       7.5 hp         • at 460/480 V rated value       0 hp         • at 4575/600 V rated value       0 hp         • at 575/600 V rated value       0 hp         Contactor       NEMA controller size 1         number of NC 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       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1<	during operation	-4 +104 °F
• 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       7.5 hp         • at 220/230 V rated value       7.5 hp         • at 220/230 V rated value       0 hp         • at 460/480 V rated value       0 hp         • at 575/600 V rated value       0 hp         • at 575/600 V rated value       0 hp         Contactor       NEMA controller size 1         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts of contactor according to UL.       10A@600VAC (A600), 5A@600VDC (P600)	ambient temperature	
country of origin       USA         Horsepower ratings         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 220/230 V rated value       0 hp         • at 460/480 V rated value       0 hp         • at 575/600 V rated value       0 hp         Contactor       NEMA controller size 1         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       27 A         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1	<ul> <li>during storage</li> </ul>	-30 +65 °C
Horsepower ratings         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       0 hp         • at 575/600 V rated value       0 hp         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         operational current at AC at 600 V rated value       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil        10A@600VAC (A600), 5A@600VDC (P600)	during operation	-20 +40 °C
yielded mechanical performance [hp] for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>bp</li> <li>at 575/600 V rated value</li> <li>0 hp</li> </ul> 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         10000000           Auxiliary contact         0           number of NC contacts at contactor for auxiliary contacts         1           number of NC contacts at contactor for auxiliary contacts         1           number of NC contacts at contactor for auxiliary contacts         1           number of NC contacts at contactor for auxiliary contacts         1           number of NC contacts at contactor for auxiliary contacts         1           number of total auxiliary contacts of contactor according to UL         10A@600VAC (A600), 5A@600VDC (P600)           Coil         total         4AC	country of origin	USA
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       0 hp         • at 460/480 V rated value       0 hp         • at 575/600 V rated value       0 hp <b>Contactor</b> NEMA controller size 1         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       9         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts of contactor according to UL       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         coil	Horsepower ratings	
• at 220/230 V rated value       7.5 hp         • at 460/480 V rated value       0 hp         • at 575/600 V rated value       0 hp         Contactor       NEMA controller size 1         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       27 A         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil	, , , ,	
• at 460/480 V rated value       0 hp         • at 575/600 V rated value       0 hp         Contactor       0 NEMA controller size 1         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       27 A         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         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	• at 200/208 V rated value	7.5 hp
• at 575/600 V rated value       0 hp         Contactor       size of contacts for main contacts         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       27 A         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts of contactor according to UL       8         Coil       10A@600VAC (A600), 5A@600VDC (P600)         to UL       AC	• at 220/230 V rated value	7.5 hp
Contactor       NEMA controller size 1         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts of contacts at contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       AC	• at 460/480 V rated value	0 hp
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       600 V         maximum       600 V         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         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 of contacts of contactor according to UL       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       AC	• at 575/600 V rated value	0 hp
number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         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       AC	Contactor	
operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         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       4         type of voltage of the control supply voltage       AC	size of contactor	NEMA controller size 1
maximum     action       operational current at AC at 600 V rated value     27 A       mechanical service life (switching cycles) of the main contacts typical     10000000       Auxiliary contact     0       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     4C	number of NO contacts for main contacts	3
mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       1000000         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       4         type of voltage of the control supply voltage       AC		600 V
contacts typical       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       4C	operational current at AC at 600 V rated value	27 A
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       4C		1000000
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       4         type of voltage of the control supply voltage       AC	Auxiliary contact	
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	number of NC contacts at contactor for auxiliary contacts	0
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	number of NO contacts at contactor for auxiliary contacts	1
to UL Coil type of voltage of the control supply voltage AC	number of total auxiliary contacts maximum	8
type of voltage of the control supply voltage AC		10A@600VAC (A600), 5A@600VDC (P600)
	Coil	
control supply voltage	type of voltage of the control supply voltage	AC
	control supply voltage	

a at AC at E0 Hz rated value	110.)/
at AC at 50 Hz rated value	110 V
at AC at 60 Hz rated value	120 V
holding power at AC minimum apparent pick-up power of magnet coil at AC	8.6 W 218 VA
apparent holding power of magnet coil at AC	25 VA
operating range factor control supply voltage rated value	0.85 1.1
of magnet coil percental drop-out voltage of magnet coil related to the	50 %
input voltage	10 - 20
ON-delay time	19 29 ms
OFF-delay time	10 24 ms
Overload relay	
product function	Ver
overload protection	Yes
phase failure detection	Yes
asymmetry detection	Yes
<ul> <li>ground fault detection</li> <li>test function</li> </ul>	Yes
	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	10 40 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)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
Enclosure	
degree of protection NEMA rating	1
design of the housing	Extra-wide
design of the housing	Indoor general purpose use
Mounting/wiring	
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf·in] for supply	35 35 lbf·in
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	1x(14 - 2 AWG)
temperature of the conductor for supply maximum permissible	75 °C
material of the conductor for supply	AL or CU
type of electrical connection for load-side outgoing feeder	Screw-type terminals
tightening torque [lbf·in] for load-side outgoing feeder	35 35 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	1x(14 - 2 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	2 x (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	1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (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	2 x (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)	
design of the short-circuit trip	Thermal magnetic circuit breaker	
breaking capacity maximum short-circuit current (Icu)		
• at 240 V	14 kA	
• at 480 V	10 kA	
• at 600 V	10 kA	
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14	
Further information		
Industrial Controls - Product Overview (Catalogs, Broch	ures,)	
www.usa.siemens.com/iccatalog	•	
Industry Mall (Online ordering system)		
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14DUE82BF		

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