SIEMENS

Data sheet

US2:14EUE82BD



Non-reversing motor starter Size 1 3/4 Three phase full voltage Solid-state overload relay OLRelay amp range 10-40a 208VAC 60HZ coil Combination type Indoor general purpose use

product brand name Class 14 design of the product Full-voltage non-deresting motor statter special product feature ESP200 overload delay, Half-size statter Canzert technical data 20 th weight [b] 20 th Height X With x Depth [in] 20 x 12 x 8 in touch protection against electrical shock (NA for enclosed products) instatlation attitude [f] at height above sea level maximum 6560 ft ambient temperature [F]	500	
special product feature ESP200 overload relay; Half-size starter General technical data 20 lb Height x Width x Depth [in] 20 x 12 x 8 in Buch protection against electrical shock. (NA for enclosed products) installation allutice [it] at height above sea level maximum 6660 ft ambient temperature ['F] -22 +149 "F • during storage -32 +46 °C • during operation -4 +104 "F ambient temperature -30 +65 °C • during operation -20 +40 °C country of origin USA Horsepower ratings -30 +65 °C yielded mechanical performance [hp] for 3-phase AC motor - • at 200/208 V rated value 10 hp • at 200/208 V rated value 15 hp • at 40/48 V trated value 15 hp • at 4575/600 V rated value 3 operating voltage for main contacts 0 <	product brand name	Class 14
Contract technical data 20 b weight [b] 20 b Height XWdh x Deph [in] 20 x 12 x 8 in touch protection against electrical shock (NA for enclosed products) installation altitude [f] at height above sea level maximum 6600 ft ambient temperature [F] - • during operation -4	design of the product	Full-voltage non-reversing motor starter
weight [b] 20 lb Height X Widh x Depth [in] 20 x 12 x 8 in touch protection against electrical shock (NA for enclosed products) installation altitude [h] at height above sea level maximum 6660 ft 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 10 hp • at 200/208 V rated value 10 hp • at 200/208 V rated value 15 hp • at 200/208 V rated value 10 hp • at 200/200 V rated value 10 hp • at 200/200 V rat	special product feature	ESP200 overload relay; Half-size starter
Height x Width x Deph [in] 20 × 12 × 8 in fouch protection against electrical shock (NA for enclosed products) installation altitude [ft] at height above sea level maximum 666 oft ambient temperature [FF] - • during storage -22 +149 "F • during storage -22 +149 "F • during operation -4 + 104 "F • during operation -20 +46 "C • during operation -20 +40 "F • during operation -20 +40 "F • during operation -20 +40 "F • during operation -20 +40 "C • during operation -20 +40 "F • during operation -20 +40 "C • during operation -20 +40 "C • during operation -20 +40 "C • at 202/230 V rated value 10 hp • at 220/230 V rated value 10 hp • at 460/480 V rated value 15 hp Contactor Controller half size 1 3/4 number of NC contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V mathet of NC contacts at contactor for auxiliary contacts 1	General technical data	
toch protection against electrical shock (NA for enclosed products) installation altitude [I] at height above sea level maximum 6600 ft ambient temperature [F] - • during storage -22 +149 "F • during storage -30 +65 "C • during versition -20 +40 "C construct of rigin USA 10 fsppower ratings -940 "C vielded mechanical performance [hp] for 3-phase AC motor 10 hp • at 200/208 V rated value 10 hp • at 40.480 V rated value 15 hp • size of contactor Contractor size of contactor Controller half size 1 3/4 number of NO contacts for main current circuit at AC at 60 Hz 600 V maximum 600 V operating voltage for main current circuit at AC at 60 Hz 10000000	weight [lb]	20 lb
installation altitude [ft] at height above sea level maximum 6560 ft ambient temperature [FT] -22 +149 "F • during storage -22 +149 "F ambient temperature -4 +104 "F ambient temperature -20 +40 °C • during storage -30 +65 °C • during operation -20 +40 °C country of origin USA Horsepower ratings	Height x Width x Depth [in]	20 × 12 × 8 in
ambient temperature ['F] -22 +149 'F • during storage -22 +104 'F ambient temperature -4 +104 '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 10 hp • at 220/23 V rated value 10 hp • at 220/23 V rated value 10 hp • at 220/23 V rated value 15 hp • at 460/480 V rated value 15 hp • at 460/480 V rated value 16 hp • at 400/208 V rated value 16 hp • at 460/480 V rated value 16 hp • at 460/480 V rated value 16 hp • at 460/480 V rated value 16 hp • at 400/480 V rated value 10 hp • at 400/480 V rated value 10 hp • at 400/480 V rated value 10 hp • at 400/480 V rated value 40 A number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 10000000 typizial 10000000	touch protection against electrical shock	(NA for enclosed products)
during storage eduring operation eduring eduring	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 10 hp vielded mechanical performance (hp) for 3-phase AC motor 10 hp • at 200/208 V rated value 10 hp • at 220/230 V rated value 10 hp • at 450/480 V rated value 15 hp • at 6575/600 V rated value 15 hp • at 6757600 V rated value 16 hp Contactor Controller half size 1 3/4 number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 0 portation al current at AC at 600 V rated value 40 A mechanical service life (operating cycles) of the main contacts 10000000 typical 10000000 Number of NO contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts 0 10000000 number of NC contacts at contactor for auxiliary contacts 1 10000000 number of NO contacts at contactor for auxiliary contacts 1 10000000 number of NO conta	ambient temperature [°F]	
ambient temperature -30 +65 °C • during storage -20 +40 °C country of origin USA Horsepower ratings USA yielded mechanical performance [hp] for 3-phase AC motor • at 220/208 V rated value • at 220/208 V rated value 10 hp • at 220/208 V rated value 10 hp • at 220/208 V rated value 15 hp Contactor Size of contactor size of contactor Controller half size 1 3/4 number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum operating voltage for main current circuit at AC at 60 Hz operating voltage for main current circuit at AC at 60 Hz 1000000 Vycial Auxiliary contact 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 at contactor	during storage	-22 +149 °F
• during storage -30 +65 °C • during operation -20 +40 °C county of origin USA Horspower ratings USA yielded mechanical performance [hp] for 3-phase AC motor 0 hp • at 220/230 V rated value 10 hp • at 460/480 V rated value 15 hp • at 657/600 V rated value 15 hp • at 657/600 V rated value 5 hp Contactor Controller half size 1 3/4 number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 40 A mechanical service life (operating cycles) of the main contacts 10000000 typical Auxiliary 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 number of NC contacts at contactor according to UL 10A@600VAC (A600), 5A@600VDC (P600)	during operation	-4 +104 °F
• during operation -20 +40 °C country of origin USA Horsepower ratings	ambient temperature	
country of origin USA Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value 10 hp • at 220/230 V rated value 10 hp • at 220/230 V rated value 10 hp • at 460/480 V rated value 15 hp • at 575/600 V rated value 15 hp Contactor Controller half size 1 3/4 number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 800 V maximum 600 V operating voltage for main current circuit at AC at 60 Hz 10000000 waximum 40 A operational current at AC at 600 V rated value 40 A mechanical service life (operating cycles) of the main contacts 10000000 typical number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 1 1 number of NC contacts at contactor for auxiliary contacts 1 1 number of NC contacts at contactor for auxiliary contacts 1 1 number of NC contacts at contactor for auxiliary contacts 0 1	during storage	-30 +65 °C
Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value 10 hp • at 220/230 V rated value 10 hp • at 460/480 V rated value 15 hp • at 575/600 V rated value 15 hp contactor Size of contactor size of contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operating voltage for main current circuit at AC at 60 Hz 600 V maximum 40 A mechanical service life (operating cycles) of the main contacts 10000000 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 of contacts of contactor according to UL 10A@600VAC (A600), 5A@600VDC (P600) Control supply voltage AC control supply voltage AC oth supply voltage 208 V holding power at AC minimum 8.6 W	during operation	-20 +40 °C
yielded mechanical performance [hp] for 3-phase AC motor 10 hp • at 200/208 V rated value 10 hp • at 220/230 V rated value 10 hp • at 460/480 V rated value 15 hp • at 575/600 V rated value 15 hp • at 575/600 V rated value 15 hp size of contactor Controller half size 1 3/4 number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum operating cycles) of the main contacts typical 40 A mechanical service life (operating cycles) of the main contacts 10000000 typical number of NC contacts at contactor for auxiliary contacts 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 of contactor according to UL 10A@600VAC (A600), 5A@600VDC (P600) Coil type of voltage of the control supply voltage AC control supply voltage AC e at AC at 60 Hz rated value 208 V holding power at AC minimum 8.6 W </td <td>country of origin</td> <td>USA</td>	country of origin	USA
• at 200/208 V rated value10 hp• at 220/230 V rated value10 hp• at 460/480 V rated value15 hp• at 460/480 V rated value15 hp• at 575/600 V rated value15 hpContactorController half size 1 3/4number of NO contacts for main contacts3operating voltage for main current circuit at AC at 60 Hz600 Vmaximum00 Voperational current at AC at 600 V rated value40 Amechanical service life (operating cycles) of the main contacts10000000Auxiliary contact0number of NC contacts at contactor for auxiliary contacts1number of NO contacts at contactor for auxiliary contacts1number of total auxiliary contacts maximum8control supply voltageACcontrol supply voltageACcontrol supply voltage208 Vholding power at AC nord supple voltage208 Vholding power of magnet coil at AC218 VA	Horsepower ratings	
• at 220/230 V rated value10 hp• at 460/480 V rated value15 hp• at 575/600 V rated value15 hpcontactorController half size 1 3/4number of NO contacts for main contacts3operating voltage for main current circuit at AC at 60 Hz600 Vmaximumoperating voltage for main current circuit at AC at 60 Hzoperational current at AC at 600 V rated value40 Amechanical service life (operating cycles) of the main contacts1000000Auxiliary contact0number of NC contacts at contactor for auxiliary contacts0number of NC contacts at contactor for auxiliary contacts1number of NC contacts at contactor for auxiliary contacts0number of NC contacts at contactor for auxiliary contacts1number of NC contacts at contactor for auxiliary contacts1number of NC contacts at contactor for auxiliary contacts1number of total auxiliary contacts of contactor according to UL10@@600VAC (A600), 5A@600VDC (P600)CoilControl supply voltage• at AC at 60 Hz rated value208 Vholding power at AC minimum8.6 Wapparent pick-up power of magnet coil at AC218 VA	yielded mechanical performance [hp] for 3-phase AC motor	
• at 460/480 V rated value 15 hp • at 575/600 V rated value 15 hp Contactor Size of contactor size of contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum operational current at AC at 600 V rated value 40 A mechanical service life (operating cycles) of the main contacts 1000000 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 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 type of voltage of the control supply voltage AC control supply voltage AC 208 V holding power at AC minimum 8.6 W 8.6 W apparent pick-up power of magnet coil at AC 218 VA	• at 200/208 V rated value	10 hp
• at 575/600 V rated value 15 hp Contactor Controller half size 1 3/4 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 40 A mechanical service life (operating cycles) of the main contacts 10000000 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 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 1 type of voltage of the control supply voltage AC e at AC at 60 Hz rated value 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA	• at 220/230 V rated value	10 hp
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maximum 40 A operational current at AC at 600 V rated value 40 A mechanical service life (operating cycles) of the main contacts typical 10000000 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 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 1 type of voltage of the control supply voltage AC e at AC at 60 Hz rated value 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA	number of NO contacts for main contacts	3
mechanical service life (operating cycles) of the main contacts typical 10000000 Auxiliary contact 10000000 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 1 type of voltage of the control supply voltage AC control supply voltage 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA		600 V
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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 10A@600VAC (A600), 5A@600VDC (P600) control supply voltage AC • at AC at 60 Hz rated value 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA		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 Coil type of voltage of the control supply voltage AC control supply voltage 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA	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 10A@600VAC (A600), 5A@600VDC (P600) control supply voltage AC e at AC at 60 Hz rated value 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA	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 AC type of voltage of the control supply voltage AC control supply voltage 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA	number of NO contacts at contactor for auxiliary contacts	1
Coil type of voltage of the control supply voltage AC control supply voltage at AC at 60 Hz rated value • at AC at 60 Hz rated value 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA	number of total auxiliary contacts maximum	8
type of voltage of the control supply voltage AC control supply voltage 208 V • at AC at 60 Hz rated value 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA		10A@600VAC (A600), 5A@600VDC (P600)
control supply voltage 208 V • at AC at 60 Hz rated value 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA		AC.
• at AC at 60 Hz rated value 208 V holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA		
holding power at AC minimum8.6 Wapparent pick-up power of magnet coil at AC218 VA		208 V
apparent pick-up power of magnet coil at AC 218 VA		

operating range factor control supply voltage rated value of	0.85 1.1
magnet coil percental drop-out voltage of magnet coil related to the input voltage	50 %
ON-delay time	19 29 ms
OFF-delay time	10 24 ms
Overload relay	
product function	
 overload protection 	Yes
 phase failure detection 	Yes
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	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	
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
insulation voltage (Ui)	C00.V/
with single-phase operation at AC rated value	600 V 300 V
 with multi-phase operation at AC rated value 	300 V
Enclosure	Evtra wide
Enclosure design of the housing	Extra-wide
Enclosure design of the housing degree of protection NEMA rating of the enclosure	Extra-wide NEMA Type 1
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing	
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring	Extra-wide NEMA Type 1 Indoor general purpose use
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position	Extra-wide NEMA Type 1 Indoor general purpose use Vertical
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position	Extra-wide NEMA Type 1 Indoor general purpose use Vertical
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG)
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 45 45 lbf-in
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder maximum permissible maximum permissible material of the conductor for load-side outgoing feeder	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG)
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil temperature of the conductor for load-side outgoing feeder type of electrical connection of magnet coil	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 12 lbf-in
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of electrical connection of magnet coil temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 45 45 lbf in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 5 12 lbf in 2 x (16 - 12 AWG)
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG) 75 °C
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor cross-sections of magnet coil type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cab	Extra-wide NEMA Type 1 Indoor general purpose use
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts	Extra-wide NEMA Type 1 Indoor general purpose use
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil type of electrical connection for auxiliary contacts temperature of the conduct	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG) 75 °C CU screw-type terminals 10 15 lbf-in
Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts	Extra-wide NEMA Type 1 Indoor general purpose use Vertical Surface mounting and installation Screw-type terminals 45 45 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 45 45 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 12 lbf·in 2 x (16 - 12 AWG) 75 °C CU screw-type terminals

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 for 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
maximum short-circuit current breaking capacity (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	

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=US2:14EUE82BD

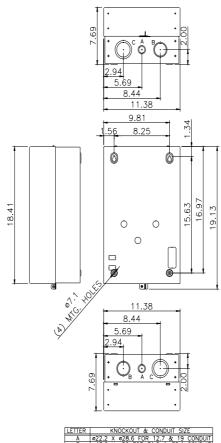
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:14EUE82BD

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14EUE82BD&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14EUE82BD/certificate





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