## SIEMENS

## Data sheet

## US2:14DUA32BF



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 0.25-1A, 110V 50Hz / 120V 60Hz coil, Non-combination type, Enclosure type 1, Indoor general purpose use, Standard width enclosure

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product brand name         Class 14           design of the product feature         Full-voltage non-reversing motor starter           special product feature         ESP220 overload relay           General technical data         ESP220 overload relay           weight [b]         8 lb           Height X Width x Depth [m]         11 x 7 x 5 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           Horsepower ratings         yielded mechanical performance [hp] for 3-phase AC motor           • at 200/208 V rated value         0.17 hp           • at 200/208 V rated value         0.17 hp           • at 40/480 V rated value         0.33 hp           • at 575/600 V rated value         0.5 hp           contactor         number of NO contacts for main current circuit at AC at 60 Hz maximum           operating voltage formain current circuit at AC at 60 Hz maximum         1000000           operating voltage formain current circuit at AC		
special product feature         ESP200 overload relay           General technical data         8 lb           weight [lb]         8 lb           Height X Wdth x Depth [in]         11 * 7 × 5 in           touch protection against electrical shock         (NA for enclosed products)           installation attitude [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           Horsopower ratings         -20 +40 *C           yielded mechanical performance [hp] for 3-phase AC         0.17 hp           • at 200/208 V rated value         0.17 hp           • at 200/208 V rated value         0.33 hp           • at 250/230 V rated value         0.5 hp           Contactor         Size of contactor           number of NC contacts for main contacts         3           operating voltage for main current circuit at AC at 60 Hz         27 A           mechanical service life (switching cycles) of the main contacts typical         1           number of NC contacts at contactor for auxiliary contacts         1           number of	product brand name	Class 14
General technical data       8 lb         weight [Ib]       8 lb         Height x Width x Depth [in]       11 × 7 × 5 in         touch 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         Mosepower ratings       -90 ( +65 °C         yielded mechanical performance [hp] for 3-phase AC       0.17 hp         oil at 200/208 V rated value       0.17 hp         • at 400/480 V rated value       0.33 hp         • at 460/480 V rated value       0.33 hp         • at 65/500 V rated value       0.5 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       00 V         maximum       0000000         contacts typical       10000000         mumber of NC contacts at contactor for auxillary contacts       1         number of NC contacts at contactor for auxillary contacts       1<	design of the product	Full-voltage non-reversing motor starter
weight [lb]       8 lb         Height x Width x Depth [in]       11 × 7 × 5 in         touch protection against electrical shock       (NA for enclosed products)         installation attitude [f] at height above sea level maximum       6660 ft         ambient temperature ['F]       -22 +149 °F         • during storage       -30 +65 °C         • during vorage       -30 +65 °C         • at 200/208 V rated value       0.17 hp         • at 220/230 V rated value       0.17 hp         • at 420/208 V rated value       0.33 hp         • at 57/600 V rated value       0.5 hp         Contactor       NEMA controller size 1         number of NC contacts for main current circuit at AC at 60 Hz       600 V         maximum       0       1         operating voltage for main current vicuu	special product feature	ESP200 overload relay
Height XWidth X Depth [in]       11 × 7 × 5 in         touch protection against electrical shock       (NA for enclosed products)         installation allitude [ft] at height above sea level maximum       6660 ft         ambient temperature ['F]       -         • during storage       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -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 220/208 V rated value       0.17 hp         • at 220/230 V rated value       0.17 hp         • at 460/480 V rated value       0.5 hp         Contactor       size of contactor         size of contactor       NEMA controller size 1         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       1         maximum       0         operating voltage for main current circuit at AC at 60 Hz       0         maximum       1       10000000         Auxiliary contact       0         number of NO contacts at contactor for auxiliary	General technical data	
Usuch protection against electrical shock       (NA for enclosed products)         installation attitude [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       0.17 hp         • at 220/230 V rated value       0.17 hp         • at 460/480 V rated value       0.33 hp         • at 575/600 V rated value       0.5 hp         Contactor       Size of contacts for main contacts         size of 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       1         maximum       0         operational current at AC at 600 V rated value       27 A         mochanical service life (switching cycles) of the main contacts to pick of the auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         num	weight [lb]	8 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       -30 +65 "C         yielded mechanical performance [hp] for 3-phase AC motor       0.17 hp         - at 220/230 V rated value       0.17 hp         - at 220/230 V rated value       0.17 hp         - at 450/480 V rated value       0.33 hp         - at 450/480 V rated value       0.5 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       7A         maximum       000 V         operational current at AC at 600 V rated value       27 A         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	Height x Width x Depth [in]	11 × 7 × 5 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       0.17 hp         • at 200/208 V rated value       0.17 hp         • at 200/208 V rated value       0.33 hp         • at 575/600 V rated value       0.33 hp         • at 575/600 V rated value       0.5 hp         Contactor         size of contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz maximum       3         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       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 total auxiliary contacts of contactor according to	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     0.17 hp       • at 460/480 V rated value     0.33 hp       • at 575/600 V rated value     0.5 hp       Contactor       size of contacts for main contacts       operating voltage for main current circuit at AC at 60 Hz maximum     3       operational current at AC at 600 V rated value     27 A       mechanical service life (switching cycles) of the main contacts typical     0       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 NO contacts at contactor for auxiliary contacts     1       number of total auxiliary contacts of contactor according to U)     10A@600VAC (A600), 5A@600VDC (P600)       Coli <t< td=""><td>installation altitude [ft] at height above sea level maximum</td><td>6560 ft</td></t<>	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 220/208 V rated value       0.17 hp         • at 220/208 V rated value       0.17 hp         • at 220/208 V rated value       0.17 hp         • at 460/480 V rated value       0.33 hp         • at 575/600 V rated value       0.5 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 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 N	ambient temperature [°F]	
ambient temperature	<ul> <li>during storage</li> </ul>	-22 +149 °F
• during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings	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 220/208 V rated value       0.17 hp         • at 460/480 V rated value       0.33 hp         • at 575/600 V rated value       0.5 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         mechanical service life (switching cycles) of the main       1000000         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main       1000000         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 contacto	ambient temperature	
country of origin       USA         Horsepower ratings         yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       0.17 hp         • at 220/230 V rated value       0.17 hp         • at 460/480 V rated value       0.33 hp         • at 575/600 V rated value       0.5 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       27 A         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts       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         number of NO contacts at contactor for auxiliary contacts	<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       0.17 hp         • at 220/230 V rated value       0.17 hp         • at 460/480 V rated value       0.33 hp         • at 575/600 V rated value       0.5 hp         Contactor         size of contactor       NEMA controller size 1         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         operational current at AC at 600 V rated value       27 A         mechanical service life (switching cycles) of the main contacts typical       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 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 total auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@60	during operation	-20 +40 °C
yleided mechanical performance [hp] for 3-phase AC motor       0.17 hp         • at 200/208 V rated value       0.17 hp         • at 220/230 V rated value       0.17 hp         • at 460/480 V rated value       0.33 hp         • at 575/600 V rated value       0.5 hp         Contactor         number of NO contacts for main contacts         3       0perating voltage for main current circuit at AC at 60 Hz maximum         operating voltage for main current circuit at AC at 60 Hz maximum       27 A         operatincal 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 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	country of origin	USA
motorat 200/208 V rated value0.17 hp• at 220/230 V rated value0.17 hp• at 460/480 V rated value0.33 hp• at 460/480 V rated value0.5 hpContactorsize of contactorNEMA controller size 1number of NO contacts for main contacts3operating voltage for main current circuit at AC at 60 Hz600 Vmaximum0perational current at AC at 600 V rated value27 Amechanical service life (switching cycles) of the main contacts typical1000000Auxiliary contact0number of NC contacts at contactor for auxiliary contacts1number of NO contacts at contactor for auxiliary contacts1number of total auxiliary contacts of contactor according to UL8contact rating of auxiliary contacts of contactor according to UL10A@600VAC (A600), 5A@600VDC (P600)coll	Horsepower ratings	
• at 220/230 V rated value       0.17 hp         • at 460/480 V rated value       0.33 hp         • at 575/600 V rated value       0.5 hp         Contactor         size of contactor       NEMA controller size 1         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       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 at contactor for auxiliary contacts         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	, , , ,	
• at 460/480 V rated value       0.33 hp         • at 575/600 V rated value       0.5 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       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 total auxiliary contacts for contactor according to UL       8         Coil       1         type of voltage of the control supply voltage       AC	• at 200/208 V rated value	0.17 hp
• at 575/600 V rated value       0.5 hp         Contactor       size of contactor         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 NC 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       AC	• at 220/230 V rated value	0.17 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 contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         coil       Coil       AC	• at 460/480 V rated value	0.33 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       0         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 maximum       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	0.5 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       1         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       4         type of voltage of the control supply voltage       AC		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: A Carl S0 Hz risk value     120 V       Indiang power of Magnet coll at AC     218 VA       apparent jock-op power of magnet coll at AC     218 VA       apparent jock-op power of magnet coll at AC     218 VA       apparent jock-op power of magnet coll at AC     218 VA       apparent jock-op power of magnet coll at AC     218 VA       apparent jock-op power of magnet coll related to the phort voltage of the voltage of magnet coll related to the phort voltage of the voltage of magnet coll related to the phort voltage of the voltage of magnet coll related to the phort voltage of the volt		440.1
biding power at AC minimum         8.6 W           apparent bid-up power of magnet coll at AC         248 VA           apparent bid-up power of magnet coll at AC         25 VA           apparent bid-up power of magnet coll related to the prover of magnet coll related to the coll related to prove the magnet coll related to the coll related to the prover of magnet coll related to the coll related to prove the magnet coll related to overload relay to the coll relate to auxiliary contacts of overload relay to the coll related to auxiliary contacts of overload relay to the coll related to auxiliary contacts of overload relay to the coll related to auxiliary contacts of overload relay to the coll related to auxiliary contacts of overload relay to the coll related to auxiliary contacts of overload relay to the coll related coll related to r	at AC at 50 Hz rated value	110 V
apparent pick-up power of magnet coil at AC         218 VA           apparent holding power of magnet coil at AC         25 VA           apparent holding power of magnet coil at AC         25 VA           apparent holding power of magnet coil at AC         25 VA           apparent holding power of magnet coil at AC         26 VA           apparent holding power of magnet coil at AC         26 VA           bit of the power of magnet coil at AC         26 VA           contradiation of the power of magnet coil at AC         26 VA           Overtoad ratay         50 %           product function         Yes           • overtoad optication         Yes           • apparent holding value         Yes           • overtoad portection         Yes           • overtoad rata         Yes           • relative repeatecontextore samaximum         3 s		
apparent holding power of magnet coil # AC         26 VA           operating range factor control supply voltage rated value         0.65 1.1           of magnet coil         9.65 1.1           presental drop out voltage of magnet coil related to the         50 %           ON-delay time         10 24 ms           Overload relay         9           product function         Yes           • overload protection         Yes           • symmetry detection         Yes           • symmetry detection         Yes           • symmetry detection         Yes           • symmetry detection         Yes           • staft function         Yes           • symmetry detection         Yes           • staft function         Yes           • staft function         Yes           • staft function         Yes           • symmetry detection         Yes           • staft function         Yes           relater traped accuraticy         1           relater t		
operating range factor control supply voltage rated value of magnet coll         9.851.1           percental drop-out voltage of magnet coll related to the input voltage.         50 %           CM-delay time         1928 ms           Overload rate/ product function         Yes           • overload protection         Yes           • overload protection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • est function         Yes           • ester function         Yes           • ester function         Yes           • ester function         Yes           • ester function         Yes           • product failure detection         Yes           • ester function         Yes           • ester function         Manual automatic and remote           ftrip class         CLASS 5 / 10 / 20 (factory set) / 30           Operational current of auxiliary contacts of overload         1           relative regular accuracy         1%           product feature protective coattag of auxiliary contacts of overload         1           relative regular contacts of auxiliary contacts of overload         1           relative regular contact of auxiliary contacts of overload         1           re		
of magnet cail       S0 %         input voltage       1024 ms         Overload protection       Yes         • overload protection       Yes         • overload protection       Yes         • opact failur detection       Yes         • aground failur detection       Yes         • aground failur detection       Yes         • additur detection       Ves         • additur optical teams       0.25 mll         • additur optical teams       0.25 mll         • addi		
input voltage         1929 ms           OH-stelay time         1024 ms           Overload rolsy         1024 ms           product function         Yes           • overload protection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • test function         Manual, automatic and remote           tripolase         CLASS 5 / 10.20 (factory set) / 30           adjustable current response value current of the current.         QESS - 1.A           Product fastery protective coating on printed-circuit board         Yes           number of NC contacts of auxiliary contacts of overload         1           relay.         at DC at 250 V         1A           contact rating of auxiliary contacts of overload relay         5A           • at DC at 250 V         1A           contact rating of auxiliary contacts of overload relay         5A           • at DC at 250 V	of magnet coil	
OFF-deby time     10 24 ms       Overfoad rolay     Yes       • overfoad protection     Yes       • phase failure detection     Yes       • asymmetry detection     Yes       • asymmetry detection     Yes       • external reset     Yes       • reset function     Manual. automatic and remote       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       relative repeat accuracy     1 A       operational current of auxiliary contacts of overload relay     5 A       • at OC at 280 V     1 A       contact rating of auxiliary contacts of overload relay     5 A       • at OC at 280 V     1 A       contact rating of auxiliary contacts of related value     600 V       ownth multi-phase operation at AC rated value     600 V       ownth angle-phase operation at AC rated value     600 V       ownth angle-phase signe or multi-stranded     1/triadeor general purpose use       Mountago sing or m		50 %
Overload virules         product function         Yes           • overload protection         Yes         • phase failure detection         Yes           • asymmetry detection         Yes         • ground fault detection         Yes           • external reset         Yes         • ground fault detection         Yes           • external reset         Yes         • ground fault detection         Yes           • atternal reset         Yes         • ground fault detection         Yes           • atternal reset         Yes         • ground fault detection         Yes           • atternal reset         Yes         • ground fault detection         Yes           • atternal reset         Yes         • ground fault detection         0.25 1 A           • dependent overload release         1 %         • product faature protective coating on printed-circuit board         1 %           • product faature protective coating on printed-circuit board         1 %         • at O at 800 V         1           • at O at 800 V         • at A C at 800 V         1 Å         • at O at 800 V         • at A C at 800 V           • at A C at 800 V         • at A C at 800 V         • at A C at 800 V         • at A C at 800 V         • at A C at 800 V           • with multi-phase operation at AC rated value         600 V <td>ON-delay time</td> <td>19 29 ms</td>	ON-delay time	19 29 ms
product function         Yes           • overload protection         Yes           • apame failure detection         Yes           • agromative detection         Yes           • ground fault detection         Yes           • external reset         Yes           reset function         Yes           • external reset         Yes           tipping time at phase-loss maximum         3 s           relative repeat accuracy.         1%           product feature protective coating on printed-circuit board         1           rumber of NC contacts of auxiliary contacts of overload relay         1           eat AC at 600 V         5 A           • at AC at 600 V         1 A           contact rating of auxiliary contacts of overload relay         5 A           • at AC at 600 V         1 A           contact rating of auxiliary contacts of overload relay         5 A           • at AC at 600 V         1 A           contact rating of auxiliary contacts of overload relay         5 A           ewith multi-thase operation at AC rated value         600 V           • with single-phase operation at AC rated value         500 V           fagge of protection NEMA rating         1           design of the housing         Indoor general purpose use <td>OFF-delay time</td> <td>10 24 ms</td>	OFF-delay time	10 24 ms
vovefad protection     ves     vovefad protection     ves     ves     ves     agymmetry detection     ves     agymmetry detection     ves     ves	Overload relay	
Phase failure detection     Yes     asymmetry detection     Yes     asymmetry detection     Yes     ground fault detection     Yes     ves     external reset     Yes     external reset     Yes     reset function     Yes     Yes     ves     external reset     Yes     Yes     reset function     Yes     Yes     Yes     Yes     reset function     Yes     Yes     Yes     Yes     reset function     Yes     Yes     reset function     Yes     Yes     reset function     Yes     Yes     Yes     reset function     Yes     Yes     reset function     Yes     Yes     reset function     Yes     Yes     reset function     Yes     reset function     Yes     reset     res     reset     reset     reset     reset     reset     reset     res     reset     res     reset     reset     reset     reset     rese	product function	
esymmetry detection         Yes         esymmetry detection         Yes         esternal reset         esternal reset         esternal reset         esternal reset         esternal reset         Yes         Yes         esternal         reset         finction         Yes         Yes         esternal         Yes         reset         finction         Yes         reset         finction         Yes         runbre of NC contacts of auxiliary contacts of overload         1         relay         enable         reperational current of auxiliary contacts of overload         1         relay         est Act 800 V         1A         contact so for auxiliary contacts of overload relay         est Act 800 V         1A         contact reliay         enable reperation at AC rated value         sub         vith mult-phase operation at AC rated value         vith mult-phase operation at AC rated value         vith mult-phase operation at AC rated value         sub         vith mult-phase operation at AC rated value         vith mult-phase operation at AC rated value         vith mult-phase operation AC rated value         vith mult-	<ul> <li>overload protection</li> </ul>	Yes
• lest function       Yes         • extemal 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       0.251 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       1         relay       number of NC contacts of auxiliary contacts of overload       1         relay       • at OC at 250 V       5.A         • at DC at 250 V       1.A       5.A         contact rating of auxiliary contacts of overload relay       5.A@@@OVAC (B600), 1A@250VDC (R300)         according to UL       600 V       5.A         • at DC at 250 V       1.A       5.A         contact rating of auxiliary contacts of overload relay       5.00 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         edegree of protection NEMA rating       1         fastening method       Surface mounting and installation         Mounting/wiring       1/(	<ul> <li>phase failure detection</li> </ul>	Yes
• lest function         Yes           • external reset         Yes           • external reset         Yes           reset function         Manual, automatic and remote           tripping time at phase-loss maximum         0.251 A           digutable current response value current of the current- dependent overload release         0.251 A           product feature protective coating on printed-circuit board         1%           product feature protective coating on printed-circuit board         1           rumber of NC contacts of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         5.A           • at DC at 250 V         1A           contacts rating of auxiliary contacts of overload relay         5.A           • at DC at 250 V         1A           contact rating of auxiliary contacts of overload relay         600 V           • with multi-phase operation at AC rated value         600 V           • with multi-phase operation at AC rated value         300 V           Enclosure         000 V           design of the housing         Indoor general purpose use           Mounting/wring         surface mounting and installation           Type of connectable conductor ross-sections at line-side at AWG cables single or multi-stranded         3535 lin*in	<ul> <li>asymmetry detection</li> </ul>	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       0.25 1 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 eacording to UL       5 A         operational current of auxiliary contacts of overload relay according to UL       5 A         insulation voltage (UI)       4 at C at 800 V         • at D C at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         felay       1         design of the housing       Indoor general purpose use         Mounting/wring       1         munding tore (Ibrin for supply voltage line-side at WK cables single or multi-stranded       5 a 35 loriin         type of electrical connectable conductor for supply waimum       75 ° C <td><ul> <li>ground fault detection</li> </ul></td> <td>Yes</td>	<ul> <li>ground fault detection</li> </ul>	Yes
reset function       Manual, automatic and remote         trip class       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current-       0.25 1 A         dependent overload release       0.25 1 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       5 Å         according to UL       1 Å         contact rating of auxiliary contacts of overload relay       5 Å         according to UL       1 Å         insultation voitage (UI)       600 V         • with multi-phase operation at AC rated value       600 V         indegree of protection NEMA rating       1         design of the housing       Indoor general purpose use         Mounting/wiring       Surface mounting and installation         type of electrical connection for supply voitage line-side       Surface mounting and installation         type of electrical connection for supply maximum persisible       75 °C         mounting position       Vertical       Surface mounting and installation         type of electrica	test function	Yes
trip class       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current- dependent overload release       0.25 1 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       1         relay       1         operational current of auxiliary contacts of overload relay       1         • at DC at 250 V       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5A@600VAC (B600), 1A@250VDC (R300)         • at DC at 250 V       1 A         insultation voltage (UI)       • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       500 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       500 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       500 V         • degree of protection NEMA rating       1         Indoor general purpose use	external reset	Yes
adjustable current response value current of the current- dependent overhoad release       0.25 1 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         • at DC at 250 V       1 A         insulation voltage (Ui)       5 A         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       800 V         • with multi-phase operation at AC rated value       800 V         • with multi-phase operation at AC rated value       800 V         • with multi-phase operation at AC rated value       800 V         • operation NEMA rating       1         degree of protection NEMA rating       1         fastening method       Surface mounting and installation         bype of connectable conductor co	reset function	Manual, automatic and remote
dependent overload release     as an adverter of the control of the contrect of the control of the control of the control of the c	trip class	CLASS 5 / 10 / 20 (factory set) / 30
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         operational current 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         otto at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insultation voltage (U)       600 V         with multi-phase operation at AC rated value       600 V         Boot V       300 V         Enclosure       Geree of protection NEMA rating       1         design of the housing       Indoor general purpose use         Mounting/wiring       Indoor general purpose use         Mounting/wiring       Surface mounting and installation         type of electrical connection for supply voltage line-side       Striace mounting and installation         type of electrical connection for supply maximum       75 °C         prematerial of the conductor for supply maximum       75 °C         prematerial of the conductor for load-side outgoing feeder       20 24 lof-in		0.25 1 A
product feature protective coaling on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         number of NO contacts of auxiliary contacts of overload       1         relay       1         operational current of auxiliary contacts of overload relay       1         • at DC at 250 V       5 A         contact rating of auxiliary contacts of overload relay       5 A         insulation votage (Ui)       5 A         • with single-phase operation at AC rated value       600 V         • with inulti-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       5 A         fastening method       Surface mounting and installation         Vpe of electrical connection for supply voltage line-side       35	tripping time at phase-loss maximum	3 s
number of NC contacts of auxiliary contacts of overload relay       1         number of NC contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay examples of NC contacts of auxiliary contacts of overload relay according to U       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to U       5 A         insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       300 V         Enclosure       600 V         design of the housing       1 Indoor general purpose use         Mounting/wiring       1         mounting position       Vertical         fastening method       Surface mounting and installation         Vype of electrical connection for supply voltage line-side at AWG cables single or multi-stranded       1x(14 - 2 AWG)         temperature of the conductor for load-side outgoing feeder       20 24 IbFin         type of electrical connection for load-side outgoing feeder       22 24 IbFin         type of connectable conductor for load-side outgoing feeder       22 24 IbFin         type of connectable conductor for load-side outgoing feeder       22 24 IbFin         type of connectable conductor for load-side outgoi	relative repeat accuracy	1 %
relay       1         number of NO contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       800 V         Perclosure	product feature protective coating on printed-circuit board	Yes
relay         operational current of auxiliary contacts of overload relay         • at AC at 600 V         • at DC at 250 V         1 A         contact rating of auxiliary contacts of overload relay         according to UL         insulation voltage (Ui)         • with single-phase operation at AC rated value         600 V         • with multi-phase operation at AC rated value         600 V         • with multi-phase operation at AC rated value         600 V         • with multi-phase operation at AC rated value         600 V         • with multi-phase operation at AC rated value         600 V         • with multi-phase operation at AC rated value         800 V         Enclosure         degree of protection NEMA rating         1         design of the housing         Mounting/wiring         mounting position         fastening method         Surface mounting and installation         type of electrical connection for supply voltage line-side         screw-type terminals         tiphtening torque [Ibf in] for supply maximum         permissible         material of the conductor for supply maximum         per of electrical connection for load-si		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)       • with single-phase operation at AC rated value       600 V         • with windle-phase operation at AC rated value       300 V       Enclosure         degree of protection NEMA rating       1       1         design of the housing       Indoor general purpose use       Mounting/wiring         mounting/wiring       1       5		1
• at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (UI)       • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         ewith multi-phase operation at AC rated value       300 V         Enclosure       Indoor general purpose use         Mounting/wiring       Indoor general purpose use         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Stcrew-type terminals         tightening torque [lbf-in] for supply       35 35 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2 AWG)         at AWG cables single or multi-stranded       75 °C         material of the conductor for supply maximum permissible       2 x (14 - 10 AWG)         material of the conductor for load-side outgoing feeder       2 x (14 - 10 AWG)         tightening torque [lbf-in] for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder	operational current of auxiliary contacts of overload relay	
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       600 V         degree of protection NEMA rating       1         design of the housing       Indoor general purpose use         Mounting/wiring	• at AC at 600 V	5 A
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         Enclosure       1         design of the housing       Indoor general purpose use         Mounting/wiring       Indoor general purpose use         mounting position       Vertical         fastering 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 rors-sections at AWG cables for load-side outgoing feeder       20 24 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       21 24 lbf-in         type of connectable conductor for load-side outgoing feeder       25 °C         tightening torque [lbf-in] for load-side outgoing feeder       20 24 lbf-in         type of electrical connection for load-side outgoing feeder       25 °C         tightening torque (lbf-in] tor load-side outgoing feeder       25 °C         tightening torq	• at DC at 250 V	1 A
insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       300 V         design of the housing       1         design of the housing       Indoor general purpose use         Mounting/wiring       mounting position         vertical       Surface mounting and installation         tightening torque [lbrin] for supply voltage line-side       Screw-type terminals         tightening torque [lbrin] for supply voltage line-side       Screw-type terminals         tightening torque [lbrin] for supply maximum       75 °C         permissible       Material of the conductor for supply         where of electrical connection for load-side outgoing feeder       20 24 lbf in         type of connectable conductor cross-sections at AWG       2x (14 - 10 AWG)         eables for load-side outgoing feeder       75 °C         tightening torque [lbrin] for load-side outgoing feeder       20 24 lbf in         type of connectable conductor cross-sections at AWG       2x (14 - 10 AWG)         eables for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       75 °C         type of connectable conductor for load-side outgoing feed		5A@600VAC (B600), 1A@250VDC (R300)
with multi-phase operation at AC rated value     300 V  Enclosure  degree of protection NEMA rating     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     at AVVG cables single or multi-stranded     temperature of the conductor for supply maximum     permissible     material of the conductor for load-side outgoing feeder     type of connectable conductor cross-sections at AVVG     cables for load-side outgoing feeder     type of connectable conductor cross-sections at AVVG     type of electrical connection for supply     AL or CU     type of electrical connecton for load-side outgoing feeder     type of connectable conductor ross-sections at AVVG     cables for load-side outgoing feeder     type of connectable conductor for supply     AL or CU     type of electrical connection for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     type of electrical connection of magnet coil     screw-type terminals     tightening torque [lbf-in] at magnet coil     screw-type terminals     tightening torque [lbf-in] at magnet coil     screw-type terminals     tightening torque [lbf-in] at magnet coil     screw-type terminals		
Enclosure       1         degree of protection NEMA rating       1         design of the housing       Indoor general purpose use         Mounting/wiring	<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
degree of protection NEMA rating1design of the housingIndoor general purpose useMounting/wiringmounting positionVerticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideScrew-type terminalstightening torque [lbf:in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side1x(14 - 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of connectable outgoing feeder20 24 lbf-intype of connectable outgoing feeder20 24 lbf-intype of connectable outgoing feeder20 24 lbf-intype of connectable outgoing feeder2 x (14 - 10 AWG)temperature of the conductor for load-side outgoing feeder75 °Ctightening torque [lbf-in] for load-side outgoing feeder2 x (14 - 10 AWG)temperature of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder2 x (14 - 10 AWG)temperature of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder5 21 lbf-intemperature of the conductor for load-side outgoing feeder5 12 lbf-in	<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
design of the housing       Indoor general purpose use         Mounting/wiring       mounting position         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 load-side outgoing feeder       20 24 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       20 24 lbf-in         type of connectable conductor for load-side outgoing feeder       75 °C         tightening torque [lbf-in] for load-side outgoing feeder       2 x (14 - 10 AWG)         cables for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       2 x (14 - 10 AWG)         cables for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder	Enclosure	
design of the housing       Indoor general purpose use         Mounting/wiring       mounting position         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 load-side outgoing feeder       20 24 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       20 24 lbf-in         type of connectable conductor for load-side outgoing feeder       75 °C         tightening torque [lbf-in] for load-side outgoing feeder       2 x (14 - 10 AWG)         cables for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       2 x (14 - 10 AWG)         cables for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder	degree of protection NEMA rating	1
mounting positionVerticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideScrew-type terminalstightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x(14 - 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connectable conductor cross-sections at AWG cables for load-side outgoing feeder20 24 lbf-intightening torque [lbf-in] for load-side outgoing feeder stranded2 x (14 - 10 AWG)temperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder stranded75 °Ctemperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feederCUtype of electrical connection of magnet coilscrew-type terminalstightening torque [lbf-in] at magnet coil5 12 lbf-in		Indoor general purpose use
mounting positionVerticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideScrew-type terminalstightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x(14 - 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connectable conductor cross-sections at AWG cables for load-side outgoing feeder20 24 lbf-intightening torque [lbf-in] for load-side outgoing feeder stranded2 x (14 - 10 AWG)temperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder stranded75 °Ctemperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feederCUtype of electrical connection of magnet coilscrew-type terminalstightening torque [lbf-in] at magnet coil5 12 lbf-in	Mounting/wiring	
fastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideScrew-type terminalstightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x(14 - 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder20 24 lbf-intype of load-side outgoing feeder20 24 lbf-intype of load-side outgoing feeder2 x (14 - 10 AWG)cables for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feeder2 x (14 - 10 AWG)temperature of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder75 °Ctype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder2 x (14 - 10 AWG)temperature of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feederCUtype of electrical connection of magnet coilscrew-type terminalstightening torque [lbf-in] at magnet coil5 12 lbf-in		Vertical
type of electrical connection for supply voltage line-sideScrew-type terminalstightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x(14 - 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder cables for load-side outgoing feeder20 24 lbf-intype of connectable conductor for load-side outgoing feeder cables for load-side outgoing feeder20 24 lbf-intype of connectable conductor for load-side outgoing feeder cables for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder cables for load-side outgoing feeder20 24 lbf-intype of electrical connection for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder stranded2 x (14 - 10 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder maximum permissibleCUtype of electrical connection of magnet coilscrew-type terminalstightening torque [lbf-in] at magnet coil5 12 lbf-in		
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maximum permissible	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	
type of electrical connection of magnet coil       screw-type terminals         tightening torque [lbf·in] at magnet coil       5 12 lbf·in		75 °C
tightening torque [lbf·in] at magnet coil 5 12 lbf·in	material of the conductor for load-side outgoing feeder	CU
	type of electrical connection of magnet coil	screw-type terminals
type of connectable conductor cross-sections of magnet 2 x (16, 12, NMC)	tightening torque [lbf-in] at magnet coil	5 12 lbf·in
coil at AWG cables single or multi-stranded	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, Brochures,) www.usa.siemens.com/iccatalog Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14DUA32BF Service&Support (Manuals, Certificates, Characteristics, FAQs,)		
https://support.industry.siemens.com/cs/US/en/ps/US2:14DUA32BF Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14DUA32BF⟨=en Certificates/approvals		

https://support.industry.siemens.com/cs/US/en/ps/US2:14DUA32BF/certificate

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