## SIEMENS

## Data sheet

## US2:14FUF32AL



Non-reversing motor starter Size 2 Three phase full voltage Solid-state overload relay OLRelay amp range 13-52a 240VAC 50HZ / 277VAC 60HZ coil Combination type No enclosure

Fi	gu	re	si	mi	lar
	-				

product brand name	Class 14
design of the product	Full-voltage non-reversing motor starter
special product feature	ESP200 overload relay
General technical data	
weight [lb]	5 lb
Height x Width x Depth [in]	8.13 × 5.75 × 4 in
touch protection against electrical shock	Not finger-safe
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
<ul> <li>during storage</li> </ul>	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
<ul> <li>during storage</li> </ul>	-30 +65 °C
during operation	-20 +40 °C
country of origin	Mexico
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	15 hp
• at 460/480 V rated value	25 hp
• at 575/600 V rated value	25 hp
Contactor	
size of contactor	NEMA controller size 2
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	45 A
mechanical service life (switching cycles) of the main contacts typical	1000000
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum	7
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	

		04014		
Indeg power at AC multinum         8.6 W           apparent holding power of magnet coil at AC         25 VA           operant holding power of magnet coil at AC         25 VA           opparent holding power of magnet coil at AC         25 VA           opparent holding power of magnet coil at AC         25 VA           opparent holding power of magnet coil related to the power of the current of power of magnet coil related to the power of the power of the conductor for the coil coil of owerload relay to the coil	at AC at 50 Hz rated value	240 V		
apparent pick-up power of magnet coil at AC         218 VA           operating range factor coil at AC         25 VA           operating range factor coil at AC         25 VA           operating range factor coil at AC         25 VA           operating range factor coil at AC         26 VA           operating range factor coil at AC         26 VA           operating range factor coil at AC         26 VA           OV-fold ratio         19 24 ms           OVerfold ratio         Yes           operating range factor coil at AC         Yes           opproved fault detection         Yes           relative reparting range fault detection         Yes           number of				
appenent hotding power of magnet coil at AC         25 VA           operating angle coil         0.85 1.1           of magnet coil         0.85 1.1           promoted drop out voltage of magnet coil related to the input voltage.         0.95           OH-delay time         1 28 ms           OVerfoad relay         0 24 ms           Overload protection         Yes           • overload protection         Yes           • ground fault detection         Yes           • ground fault detection         Yes           • ground fault detection         Yes           • external reset         Manual, automatic and remote           Tipping time alphae-loss maximum         3 s           reset function         Yes           • oxternal reset         No           reset function         Manual, automatic and remote           tipping time alphae-loss maximum         3 s           relative repeat accuracy         1352 A           product faiture protective coaling on printed-circuit bord         Yes           • at Oc at 20 V         1A           contract rating of auxiliary contacts of overload relay         5A           • at C at 20 V         1A           contact rating of auxiliary contacts of overload relay         5A				
operating range factor control supply voltage rated value of magnet coll         0.851.1           percential (rop-out voltage of magnet coll related to the input voltage.         50 %           ON-delay sime         1929 ms           OC-f-delay sime         1024 ms           Overload rolay         78           product function         Yes           • overload protection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • external reset         No           Manual, subornatic and remote         CLASS 5/10/20 (factory set) / 30           adjustable current response value current of the current dependent overload release         3 s           Tripping line at phase-toase 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           eat AC at 600 V         1A           contact rating of auxiliary contacts of overload relay         5 A           eat AC at 600 V         1A           eat AC at 600 V         1A           contact rating of auxiliary contacts of overload relay according to U.L				
of magnet coli       50 %         precental drop-out voltage of magnet coli related to the input voltage.       50 %         ON-oblegity time       19 29 ms         OPE-colary torus       70 magnet coli         Overload relay       70 magnet coli         product function       Yes         • overload protection       Yes         • asymmetry detection       Yes         • asymmetry detection       Yes         • external reset       No         Free function       Manual, automatic and remote         Trip class       CLASS 5 / 10 / 20 (factory set) / 30         digitable current response value current of the current dependent overload relay       13 52 A         relative repeat accuracy       1%         product facture protective coating on printed-circuit board       1         relay       accuracy       1%         product facture protective coating on printed-circuit board       1         relay       at DC at 280 V       1         contact rating of auxiliary contacts of overload relay       5 A         ext DC at 280 V       5 A         contact rating of auxiliary contacts of overload relay       5 A         etal DC at 280 V       5 A         contact rating of auxiliary contacts of overload relay				
input voltage         929 ms           OFF-delay time         1024 ms           Overload rolsy         product function           • overload protection         Yes           • passe failure detection         Yes           • asymmetry detection         Yes           • attent inction         No           reset function         Manual. automatic and remote           tip deas         CLASS 5 / 10 / 20 (factory set) / 30           adjustable current response value current of the current         distribution           dependent overload release         3 s           Pripping line at phase-loss maximum         3 s           product feature protective coating on printed-circuit board         1           operational current of auxiliary contacts of overload         1           operational current of auxiliary contacts of overload relay         5 A           • at Oc at 280 V         5 A           • at Oc at 280 V         5 A           • subto at 280 V         1 A           insulation vot	of magnet coil			
OFF-deby time     10 24 ms       Overload rolay     Product function       • overload protection     Yes       • pinase failure detection     Yes       • asymmetry detection     Yes       • external reset     No       • external reset     No       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     13 52 A       dependent overload release     13 52 A       relative repeat accuracy     1 %       product feature protective costing on printed-circuit board     1       relative repeat accuracy     1 %       product feature protective costing on orinted-circuit board     1       operational current of auxiliary contacts of overload relay     1       • at DC at 500 V     1A       • at DC at 500 V     5A       • at DC at 250 V     1A       • at DC at 250 V     5A@600VAC (B600), 1A@250VDC (R300)       ectoring of auxiliary contacts of overload relay     5A@600VAC (B600), 1A@250VDC (R300)       etal Cat 800 V     1A       • at DC at 250 V		50 %		
Overload relay         product function         Yes           • overload protection         Yes         • phase failure detection         Yes           • asymmetry detection         Yes         • ground faul detection         Yes           • external reset         No         Manual, automatic and remote         Yes           • itest function         Yes         Yes         Yes           • external reset         No         Manual, automatic and remote         Yes           trip dass         CILASS 57.10 / 20 (factory set) / 30         13 52.A           dipstable current response value current of the current-         13 52.A         14 52.A           ripping time at phase-loss maximum         3 s         1           relative repeat accuracy         1 %         Yes           product feature protective coating on printed-circuit board         1         1           relative repeat accuracy         1 A         5 A         4         4 C at 600 V         5 A           • at C at 250 V         1 A         5 A@@B00VAC (B600), 1.A@250VDC (R300)         according to U         5 A@@B00VAC (B600), 1.A@250VDC (R300)           insultation voltage (U)         • with single-phase operation at AC rated value         5 A         5 A         5 A@@B00VAC (B600), 1.A@250VDC (R300)         according to U<	ON-delay time	19 29 ms		
product function     Yes       • overlaad protection     Yes       • phase failure detection     Yes       • asymmetry detection     Yes       • errord fault detection     Yes       • esternal reset     No       • external reset     No       reset function     Manual, automatic and remote       trip class     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current- dependent overfoad release     13 52 A       relative repeat-loss maximum     3 s       relative repeat-loss maximum     3 s       relative repeat-loss of auxiliary contacts of overload     1       relay     1       ontert ating of auxiliary contacts of overload     1       relay     5 A       • at DC at 250 V     1 A       ontert ating rependent of auxiliary contacts of overload relay     5 A       • at DC at 250 V     1 A       orbitary and generation at AC rated value     300 V       • with multi-phase operation at AC rated value     300 V       enclosure     Surface mounting and installation       type of electrical connection for supply voltage line-side     5 C       degree of protection NEMA rating     Open device (no enclosure)       degree of protection NEMA rating     Surface mounting and installation       type of e	OFF-delay time	10 24 ms		
verified protection     ves     v	Overload relay			
Phase failure detection     Yes     your of fault detection     Yes     fault of fault detection     your	product function			
esymmetry detection         yes         eground fault detection         Yes         est function         Yes         external reset         No         reset function         Yes         external reset         No         reset function         CLASS 57 10 / 20 (factory set) / 30         adjustable current regionse value current of the current-         degreden deveload release         trip class         trip plag time at phase-loss maximum         relative repeat accuracy         router facture protective coating on printed-circuit board         Yes         relative repeat accuracy         router for the current of the current-         relative repeat accuracy         router for the protective coating on printed-circuit board         Yes         rundber of NC contacts of auxiliary contacts of overload         relay         eat AC at 600 V         set AC at 250 V         to A         according to UL         insulation voltage (U)         e with multi-phase operation at AC rated value         degree of protection NEMA rating         Open device (no enclosure)         with single-phase operation at AC rated value         do0 V         sourdae         mounting position         type of electrical connection for supply voltage line-side         tal (14 - 2 AWG)         AL or CU         type of electrical connection for supply maximum         pre of the conductor for supply maximum         pre of the conductor for supply maximum         pre of the conductor for supply         AL or CU         Vertical         fastoning method         type of electrical connection for load-side outgoing feeder         AL or CU         Vertical         fastoning method         full-14-2 AWG)         ads AL or CU         Vertical         fastoning method         type of electrical connection for load-side outgoing feeder         radivide of the conductor for load-side outgoing feeder         radivid the conductor for load-side outgoing fee	<ul> <li>overload protection</li> </ul>	Yes		
• lest function     Yes       • lest function     No       reset function     Manual, automatic and remote       filp class     CLASS 5/10/20 (factory set)/30       adjustable current response value current of the current- dependent overload release     1352 A       tripping time a phase-loss maximum     3 s       relative repeat accuracy     1%       product fauture protective coating on printed-circuit board     Yes       number of NC contacts of auxiliary contacts of overload     1       relative repeat accuracy     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     5 A       • at DC at 250 V     1 A       score of protection NEMA rating     Open device (no enclosure)       with multi-phase operation at AC rated value     600 V       • with multi-phase operation at AC rated value     300 V       Enclosure     Dentorecutable conductor ros supply notage line-side       tightening torque [16] in for supply     Vertical       fastening method     Surface mounting an installation       type of effection for supply notige line-side     Box lug       tightening torque [16] in for supply maximum     75 °C       prestable onductor for supply maximum<	<ul> <li>phase failure detection</li> </ul>	Yes		
	<ul> <li>asymmetry detection</li> </ul>	Yes		
• external reset         No           reset function         Manual, automatic and remote           tip class         CLASS 57 10 / 20 (factory set) / 30           adjustable current response value current of the current- dependent overtoad release         13 52 A           tripping time at phase-loss maximum         3 s           relative repeat accuracy         1%           product feature protective coating on printed-circuit board relay         1%           number of NC contacts of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay ecording for auxiliary contacts of overload relay according to UL         5 A           outset of protection NEMA rating         600 V           outset of protection NEMA rating         600 V           ow with multi-phase operation at AC rated value         600 V           degree of protection NEMA rating         Open device (no enclosure)           design of the housing         NA           Mountingwiring         NA           Mountingwiring         Yes 'C           material of the conductor for supply valtage line-side at AWG cables single or multi-straned         For 'C           material of the conductor for supply maximum permissible         75 °C           material of the conductor for load-side outgoing feeder         45 45 lbr/in <t< td=""><td><ul> <li>ground fault detection</li> </ul></td><td>Yes</td></t<>	<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- dependent overload release       1352 A         tripping time at phase-loss maximum       3 s         relative repeat accuracy       1 %         product feature protective coating on printed-circuit board relay       1 %         number of NC contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay eaccording to U.       5 A         insultation voltage (U)       5 A         eat DC at 250 V       1 A         contact refing of auxiliary contacts of overload relay eaccording to U.       5 A         insultation voltage (U)       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       Open device (no enclosure)         degree of protection NEMA rating       Open device (no enclosure)         Mounting position       Surface mounting and installation         Type of electrical connection for supply voltage line-side       Box lug         tightening torque [Ib/in] for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       75	test function	Yes		
trip class         CLASS 5 / 10 / 20 (factory set) / 30           adjustable current response value current of the current- dependent vorthoad release         13 52 A           tripping time at phase-loss maximum         3 s           relative repeat accuracy         1 %           product feature protective coating on printed-circuit board         Yes           number of NC contacts of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay according to UL         5 A           out at CG at 250 V         5 A           contact rating of auxiliary contacts of overload relay according to UL         5 A           insulation voltage (UI)         600 V           with single-phase operation at AC rated value         600 V           oo V         30 V           Enclosure         600 V           degree of protection NEMA rating         Open device (no enclosure)           Mounting/wiring         NA           Mounting/wiring         Vertical           fastening method         Surface mounting and installation           type of electrical connection for supply voltage line-side at AWC cables single or multi-stranded         1x(14 - 2 AWG)           tat AWC cables single or multis-stranded	external reset	No		
adjustable current response value current of the current- dependent overload release       13 52 A         11       3 s         relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       1 %         relay       1 %         number of NC contacts of auxiliary contacts of overload       1         relay       1         operational current of auxiliary contacts of overload       1         relay       1 A         octact rating of auxiliary contacts of overload relay       5 A         according to UL       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       500 V         Enclosure       600 V         Mounting/wiring       NA         Mounting/wiring       Vertical         mounting position       Vertical         type of electrical connectable conductor cross-sections at line-side       45 45 lbr/in         type of electrical connectable conductor cross-sections at line-side       45 45 lbr/in         type of electrical connectorin for supply maximum       75 °C         material of the conductor for load-side outgoing feeder       76 °C         type	reset function	Manual, automatic and remote		
dependent overload release       as         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         operational current of auxiliary contacts of overload relay       5 A         ot at CC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (U)       600 V         with highe-phase operation at AC rated value       600 V         egree of protection NEMA rating       Open device (no enclosure)         degree of protection NEMA rating       Open device (no enclosure)         degree of protection NEMA rating       Vertical         mounting position       Vertical         fastening method       Surface mounting and installation         Type of electrical connection for supply voltage line-side       tx(14 - 2 AWG)         tightening torque [tbf-in] for supply       AL or CU         type of electrical connection for supply maximum permissible       75 °C         material of the conductor for load-side outgo	trip class	CLASS 5 / 10 / 20 (factory set) / 30		
Instruction       1 %         Product feature pretective 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         eat DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         insulation voltage (UI)       600 V         with single-phase operation at AC rated value       600 V         et closure       600 V         degree of protection NEMA rating       Open device (no enclosure)         design of the housing       NA         Mounting/wring       NA         Mounting writing       Surface mounting and installation         type of connectable conductor corss-sections at line-side       Box lug         at AWG cables single or multi-stranded       Ts °C         material of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       45 45 lbf in         type of connectable conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder<		13 52 A		
product feature protective coating on printed-circuit board     Yes       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     1       • at AC at 800 V     5 A       • at DC at 250 V     1 A       contact raing of auxiliary contacts of overload relay     5A@600VAC (B600), 1A@250VDC (R300)       according to UL     5A@600VAC (B600), 1A@250VDC (R300)       insulation voltage (Ui)     600 V       • with multi-phase operation at AC rated value     600 V       • with multi-phase operation at AC rated value     600 V       degree of protection NEMA rating     Open device (no enclosure)       design of the housing     NA       Mounting/wring     Na       mounting position     Vertical       tippe of connectable conductor for supply voltage line-side     Box lug       tiphtening method     Surface mounting and installation       type of electrical connection for supply voltage line-side     1x(14 - 2 AWG)       at AWG cables single or multi-stranded     Ts 'C       temperature of the conductor for supply maximum     75 'C       material of the conductor foras-sections at AWG     1x(14 - 2 AWG)       cables for load-side outgoing feeder     75 'C       tightening torque [bir] fo	tripping time at phase-loss maximum	3 s		
number of NC contacts of auxiliary contacts of overload relay       1         number of NO contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5 A         insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       300 V         Enclosure       degree of protection NEMA rating       Open device (no enclosure)         design of the housing       NA         Mounting/wring       NA         Mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded       75 °C         metrial of the conductor for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       1x(14 - 2 AWG)         tightening torque [Ibf-In] for load-side outgoing feeder       45 45 Ibf in         type of electrical connection for load-side outgoing feeder       1x(14 - 2 AWG)         tightening torque [Ibf-In] for load-side o	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)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       600 V         degree of protection NEMA rating       Open device (no enclosure)         design of the housing       NA         Mounting/wiring       Na         mounting position       Vertical         fastening method       Surface mounting and installation         tightening torque [lif-in] for supply       45 45 lbf in         type of electrical connection for supply woltage 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       45 45 lbf in         type of electrical connection for load-side outgoing feeder       15 45 lbf in         tightening torque [lif-in] for load-side outgoing feeder       15 45 lbf in <td>product feature protective coating on printed-circuit board</td> <td>Yes</td>	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         ewide of protection NEMA rating         Open device (no enclosure)         design of the housing         NA         Mounting/wiring         mounting position       Vertical         fastening method       Surface mounting and installation         type of clorical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       45 45 lbf in         type of clorical connection for supply maximum       75 °C         permissible       material of the conductor for supply         material of the conductor for load-side outgoing feeder       45 45 lbf in         type of electrical connection for load-side outgoing feeder       45 45 lbf in		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 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       600 V       •       •         degree of protection NEMA rating       Open device (no enclosure)       •         design of the housing       NA       •       •         Mounting/wiring       •       •       •       •         mounting position       Vertical       •       •       •         fastening method       Surface mounting and installation       •       •       •         type of connectable conductor cross-sections at line-side       at AVG cables single or multi-stranded       1x(14 - 2 AWG)       •       •         temperature of the conductor for supply maximum permissible       75 °C       •       •       •       •       •       •       •       •       •       •       • <td< td=""><td></td><td>1</td></td<>		1		
• at DC at 250 V1 Acontact rating of auxiliary contacts of overload relay according to UL5A@600VAC (B600), 1A@250VDC (R300)insulation voltage (Ui)• with single-phase operation at AC rated value600 V• with single-phase operation at AC rated value300 VEnclosuredegree of protection NEMA rating design of the housingMounting/wiringOpen device (no enclosure)mounting positionVerticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-side at AWG cables single or multi-strandedBox lugtemperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor rose-sections at AWG cables for load-side outgoing feederAL or CUtype of connectable conductor rose-sections at AWG cables for load-side outgoing feeder1x (14 - 2 AWG)tightening torque [lbFin] for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbFin] for load-side outgoing feederTx (14 - 2 AWG)transitionTx (14 - 2 AWG)acting torque [lbFin] for load-side outgoing feederTx (14 - 2 AWG)tightening torque [lbFin] for load-side outgoing feederTx (14 - 2 AWG)tightening torque [lbFin] for load-side outgoing feederTx (14 - 2 AWG)	operational current of auxiliary contacts of overload relay			
contact rating of auxiliary contacts of overload relay according to UL5A@600VAC (B600), 1A@250VDC (R300)insulation voltage (Ui) • with single-phase operation at AC rated value600 V 300 V• with multi-phase operation at AC rated value300 VEnclosure degree of protection NEMA rating design of the housingOpen device (no enclosure) NAMounting/wiringNAmounting position fastening methodVertical Surface mounting and installationtightening torque [lbf-in] for supply voltage line-side at AVG cables single or multi-strandedBox lugtightening torque [lbf-in] for supply maximum permissible75 °Cmaterial of the conductor for supply multi- tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder tarded1x(14 - 2 AWG)tarded temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder maximum permissible75 °C	• 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       degree of protection NEMA rating       Open device (no enclosure)         design of the housing       NA         Mounting/wiring       NA         mounting position       Vertical         fastening method       Surface mounting and installation         tightening torque [Ibf-in] for supply       45 45 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2 AWG)         at AVVG cables single or multi-stranded       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       45 45 lbf-in         type of connectable conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       45 45 lbf-in         type of connectable conductor for load-side outgoing feeder       45 45 lbf-in         type of connectable conductor for supply       AL or CU         type of connectable conductor for load-side outgoing feeder       45 45 lbf-in         type of connectable conductor for load-side outgoing feeder       45 45 lbf-in         type of electrical connec	• at DC at 250 V	1 A		
• with single-phase operation at AC rated value600 V• with multi-phase operation at AC rated value300 VEnclosure0degree of protection NEMA rating design of the housingOpen device (no enclosure)Mounting/wiringNAMounting/wiringNamounting positionVerticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply45 45 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 connectable outgoing feeder scables single outgoing feeder single or multi- stranded1x(14 - 2 AWG)temperature of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder ables for load-side outgoing feeder55 °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 °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		5A@600VAC (B600), 1A@250VDC (R300)		
• with multi-phase operation at AC rated value       300 V         Enclosure	insulation voltage (Ui)			
Enclosure         degree of protection NEMA rating       Open device (no enclosure)         Mounting/wiring       NA         Mounting/wiring       Na         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       45 45 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       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       45 45 lbf-in         type of electrical connection for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       1x(14 - 2 AWG)         cables for load-side outgoing feeder       1x(14 - 2 AWG)         temperature of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder	<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V		
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maximum permissible       material of the conductor for load-side outgoing feeder       AL or CU	cables for load-side outgoing feeder single or multi-	1x(14 - 2 AWG)		
		75 °C		
type of electrical connection of magnet coil	material of the conductor for load-side outgoing feeder	AL or CU		
type of decined connection of magnet con sciew-type terminals	type of electrical connection of magnet coil	screw-type terminals		
tightening torque [lbf·in] at magnet coil 5 12 lbf·in	tightening torque [lbf-in] at magnet coil	5 12 lbf·in		
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded 2 x (16 - 12 AWG)		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=US2:14FUF32AL Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:14FUF32AL Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)				
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14FUF32AL⟨=en Certificates/approvals				

Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:14FUF32AL/certificate

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