## SIEMENS

## Data sheet

## US2:14DUA32AG



Non-reversing motor starter Size 1 Three phase full voltage Solid-state overload relay OLRelay amp range 0.25-1A 190-220/220-240V 50/60HZ coil Combination type No enclosure

Figuresi	milar
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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]	3 lb
Height x Width x Depth [in]	7.44 × 5.75 × 3.75 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	
<ul> <li>at 200/208 V rated value</li> </ul>	0.17 hp
<ul> <li>at 220/230 V rated value</li> </ul>	0.17 hp
<ul> <li>at 460/480 V rated value</li> </ul>	0.33 hp
<ul> <li>at 575/600 V rated value</li> </ul>	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	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	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
control supply voltage	

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Indeling power at AC minimum         8.4 W           apparent pick-ip power of magnet coll at AC         24.8 VA           apparent pick-ip power of magnet coll at AC         25.VA           Obstance         25.VA           Defining and         0.5 1.1           present diright power of magnet coll related to the         50.%           ON-delay time         19 24 ms           Overload protection         Yes           overload protection         Yes           • expresent diright detection         Yes           • expresent directed         Yes           • overload protection         Yes           • expresent directed         No           • overload protection         Yes           • expresent directed         No           • overload protection         Yes           • external feed         No           • external feed         N	• at AC at 50 Hz rated value	190 220 V
apparent plackup power of magnet coil at AC         218 VA           apparent holding power of magnet coil at AC         25 VA           operating range factor corrols supply voltage rated value of magnet coil         0.85 1.1           presental drop-out voltage of magnet coil related to the imput voltage OFF-delay time         10 24 ms           Overload protection         Yes           • everload protection         Yes           • apprint y delaction         Yes           • apprint y delaction         Yes           • apprint y delaction         Yes           • everload protection         Yes           • apprint y delaction         Yes           • everload protection         Yes           • everload relay         0.25 1 A           deparation         0.25 1 A           deparation         0.25 1 A           operational current of auxiliary contacts of overload         1           ripping time at phase-loss maximum         3 s           relative repeat accuracy         Yes           pramaber AN Contacts of auxiliary contacts of overload		
apparent holding power of magnet coil at AC         25 VA           oprating range foold control supply voltage rated value         0.65 1.1           of magnet coil         0.65 1.1           oprating range foold         0.65 1.1           oprating range foold         0.65 1.1           OFF-delay time         19 28 ms           OFF-delay time         19 28 ms           overload protection         Yes           • symmetry detection         Yes           • applut diffue detection         Yes           • symmetry detection         Yes           • staft lunction         Yes           • staft lunction         CLASS 5 / 10 / 20 (tectory set) / 30           • digutable current response value current of the current-         0.25 1 A           digutable current response value current of the current-         0.25 1 A           digutable current response value current of value current of the current-         0.25 1 A           digutable current of auxiliary contacts of overload relay         1           relay         1         1           relay         1         1           oprating range digutable current of auxiliary contacts of overload relay         5 A           • at DC at 250 V         1 A           contact ating o fau		
operating range factor control supply voltage rated value of magnet coll         0.85 1.1           percential drop-out voltage of magnet coll related to the input voltage.         50 %           ON-delay time         19 24 ms           Overload relay         0           product function         Yes           • overload protection         Yes           • aground fault delection         Yes           • aground fault delection         Yes           • external reset         No           reset function         Yes           • function         Yes           • external reset         No           reset function         Manual, automatic and remote           tripic gias         CLASS 5 / 10 / 20 (ractory set) / 30           ordigate repeat sccuracy         1 %           product feature protective contacts of auxiliary contacts of overload         1           relative repeat sccuracy         1 %           product feature protective contacts of auxiliary contacts of overload         1           relative repeat sccuracy         1 %           optical store of auxiliary contacts of overload relay         5 A           • at C at 800 V         5 A           • at C at 800 V         5 A           • at C at 800 V         5 A		
of magnet coli       percental drop-out voltage of magnet col related to the input voltage.       50 %         OH-delay time       10 24 ms         OF-delay time       10 24 ms         Overload relay       product function         • overload protection       Yes         • overload protection       Yes         • asymmetry detection       Yes         • asymmetry detection       Yes         • asternal reset       No         reset function       Yes         • external reset       No         dipatable current response value current of the current       0.25 1 A         dipatable current response value current of the current       0.25 1 A         dipatable current response value current of auxiliary contacts of overload relay       1%         relative repeat accuracy       1%         oproduct faature protective coating on printed-circuit boad       1         relay       1         opticational current of auxiliary contacts of overload relay       5 Å         etal D C at 250 V       1 Å         orotat cating of auxiliary contacts of overload relay       5 Å         isuldian ovidage (U)       600 V         • at D C at 250 V       1 Å         isuldian ovidage (U)       5 Å		
input voltage         19 29 ms           OFF-delay time         19 29 ms           OFF-delay time         10 24 ms           Overload protection         Yes           • overload protection         Yes           • phase fluthre detection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • external reset         No           • external reset         Manual, automatic and remote           Trip diss         CLASS 5/ 10 / 20 (factory set) / 30           - adjustable current response value current of the current-dependent overload release         CLASS 5/ 10 / 20 (factory set) / 30           ripping time at phase-loss maximum         3 s         -           reduct feature protective coating on printed-circuit board         1           rumber of No contacts of auxiliary contacts of overload         1           relaty         - otacts of auxiliary contacts of overload relay         5 A           - at CC at 280 V         1 A         Sol@@OVAC (B600), 1A@250VDC (R300)           - at CC at 280 V         1 A         Sol@@OVAC (B600), 1A@250VDC (R300)           - with multi-phase operation at AC rated value         500 V         Sol@@OVAC (B600), 1A@250VDC (R300)           - with multi-phase operation at AC rated value         5	of magnet coil	
OFF-delay time       10 24 ms         Overload rolesy       Product function         • overload protection       Yes         • phase fullue detection       Yes         • agymmetry detection       Yes         • ground fault detection       Yes         • agymetry detection       Yes         • external reset       No         • coxternal reset       No         • external reset       No         • reset function       Manual, automatic and remote         Trip class       Glass for 10 / 20 (factory set) / 30         adjustable current response value current of the current-       department         replay       in at phase-loss maximum       3 s         refailing replace id accuracy       1 %         product feature protective coating on printed-circuit board       1         number of NC contacts of auxiliary contacts of overload       1         relay       4 AC at 600 V       5 A         • at CC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         • at CC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         • at CC at 250 V       1 A         contact rating of auxiliary contacts of ove		50 %
Overload relay         Yes           product function         Yes           • overload protection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • external reset         No           adjustable current response value current of the current- dependent covidad relases         CLASS 5/ 10 / 20 (factory set) / 30           adjustable current response value current of the current- dependent covidad relases         1%           tread/turrent response value current of the current- dependent covidad relases         1%           product feature protective coating on printed-circuit board relay         1%           number of NC contacts of auxiliary contacts of overload relay each Cat 250 V         1           orntact rating of auxiliary contacts of overload relay each Cat 250 V         5A           i at DC at 250 V         1A           contact rating of auxiliary contacts of overload relay exomiting to Lu         5A           issteming method         Surface mounting and installation           with multi-phase operation at AC rated value         600 V           vulti multi-phase operation at AC rated value         5C           degree of protection NEMA rating         Open device (no enclosure)           Mounting position         Surface mounting and installation           type of ora	ON-delay time	19 29 ms
product function     Yes       • overload protection     Yes       • ayametry detection     Yes       • aguind failur detection     Yes       • aguind failur detection     Yes       • attriant reset     No       reset function     CLASS 5 / 10 / 20 (factory set) / 30       - distribute current response value current of the current-     CLASS 5 / 10 / 20 (factory set) / 30       - distribute current response value current of the current-     CLASS 5 / 10 / 20 (factory set) / 30       - distribute current response value current of the current-     CLASS 5 / 10 / 20 (factory set) / 30       - distribute current response value current of the current-     CLASS 5 / 10 / 20 (factory set) / 30       - reset function     3 s       - relative repeat accuracy     1 %       product facture protective coating on printed-circuit board     Yes       - number of NC contacts of auxiliary contacts of overload relay     1       - etable     5 A       - at DC at 280 V     1 A       contact rating of auxiliary contacts of overload relay     5 A       - 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     11 (14 / 2 AWG)       - factoring to tul.     13 (14 / 2 AWG)       - factoring to tul.     13 (14 / 2 AWG)	OFF-delay time	10 24 ms
voverlad protection     Vas     voverlad protection     Yas     voverlad protection     Yas     asymmetry detection     Yas     ground fault detection     Yas     voverlad protection     Vas     voverlad protection     Yas     voverlad protection     Vas     voverlad     v	Overload relay	
Phase failure detection     Yes     asymmetry detection     Yes     ground fault detection     Yes     reset function     Yes     ves     external reset     No     reset function     Yes     Ves     ves     external reset     No     reset function     Yes     Ves     ves	product function	
esymmetry detection     Yes     ground fault detection     Yes     test function     Yes     external reset     No     reset function     Yes     CLASS 5/ 10 / 20 (factory set) / 30     dustable current response value current of the current- dependent overload release     CLASS 5/ 10 / 20 (factory set) / 30     dustable current response value current of the current- dependent overload release     CLASS 5/ 10 / 20 (factory set) / 30     dustable current response value current of the current- dependent overload release     fitipping time at phase-loss maximum     s     relative repeat accuracy     1     %     product feature protective coaling on printed-circuit board     Yes     rumber of NC contacts of auxiliary contacts of overload     relay     repeational current of auxiliary contacts of overload     relay     operational current of auxiliary contacts of overload     relay     is at C at 800 V         is with multi-phase operation at AC rated value         500 V         is with multi-phase operation at AC rated value         300 V     Enclosure     design of the housing     NA     Mounting/wiring     mounting position     Verical     fighterning torcu [Uri-I] for supply         AC ared value         Surface mounting and installation         Nype of concetable conductor for supply waiximum     permissible     results and current of read-side outgoing feeder         Surface mounting and installation         Vype of electical connection for load-side outgoing feeder         Surface mounting and installation         Vype of electical connection for load-side outgoing feeder         Surface mounting and installation         Vype of electical connection for load-side outgoing feeder         Surface mounting and installation         Vype of electical connection for load-side outgoing feeder         Surface mounting and installation         Vype of electicical connection for load-side out	<ul> <li>overload protection</li> </ul>	Yes
• eround fault detection     Yes       • lest function     Yes       • external reset     No       Treet function     Manual, automatic and remote       thip class     CLASS 57 10 / 20 (factory set) / 30       adjustable current response value current of the current-     0.25 1 A       dependent overload release     1%       product feature protective coating on printed-circuit board     1       number of NC contacts of auxiliary contacts of overload     1       number of NC contacts of auxiliary contacts of overload     1       operational current of auxiliary contacts of overload relay     5 A       • at DC at 280 V     5 A       • at DC at 280 V     5 A       • at DC at 280 V     5 A       • 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     500 V       • with single-phase operation at AC rated value     500 V       • with single-phase operation at AC rated value     500 V       • with single-phase operation at AC rated value     500 V       • with numb-phase operation at AC rated value     500 V       • with single-phase operation at AC rated value     500 V       • operation REMA rating     0pen device (no enclosure)       design of the nousing     NA </td <td><ul> <li>phase failure detection</li> </ul></td> <td>Yes</td>	<ul> <li>phase failure detection</li> </ul>	Yes
	<ul> <li>asymmetry detection</li> </ul>	Yes
• external reset         No           reset function         Manual, automatic and remote         Manual, automatic and remote           trip class         CLASS 5 / 10 / 20 (factory set) / 30         digutable current response value current of the current- dependent overload release           tripping time at phase-loss maximum         3 s         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 eat DC at 260 V         5 A           e at DC at 260 V         5 A           e at DC at 260 V         5 A           e at DC at 260 V         5 A           e with multi-phase operation at AC rated value         600 V           e. with multi-phase operation at AC rated value         600 V           e. with multi-phase operation at AC rated value         600 V           e. With multi-phase operation at AC rated value         600 V           e. decimal model         500 V           e. decimal model         500 V           e. decimal model         500 V           e. duriting druniting position         Vertical           fastening method         Surface mounting and installation           type of electrical connection for supply voltage li	<ul> <li>ground fault detection</li> </ul>	Yes
reset function       Manual, automatic and remote         trip class       CLASS 67 10 / 20 (factory set) / 30         adjustable current response value current of the current- dependent overload release       0.25 1 A         tripping time a phase-loss maximum       3 s         relative repeat accuracy       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       5 A         • at DC at 250 V       1 A         contact reling of auxiliary contacts of overload relay       5 A         according to UL       5 A@600VAC (B600), 1A@250VDC (R300)         according to UL       5 A@600VAC (B600), 1A@250VDC (R300)         according to UL       600 V         with multi-phase operation at AC rated value       600 V         with multi-phase operation at AC rated value       800 V         mounting position       Surface mounting and installation         Syse of endection NEMA rating       Open device (no enclosure)         Mounting/wiring       Simal         mounting position       Surface mounting and installation         Syse of endector for supply voltage line-side       Simal	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         operational current of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         e at AC at 600 V       5 A         e at AC at 250 V       5 A         insulation voltage (Ui)       • with single-phase operation at AC rated value         600 V       300 V         Enclosure       600 V         design of the housing       NA         Mounting/wining       Open device (no enclosure)         Mounting/wining       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         type of electrical connection for load-side outgoing feeder       25 °C         type of connectable conductor for load-side outgoing feeder       27 °C         type of electrical connection for load-side outgoing feeder       27 °C         type of electrical connection for	external reset	No
adjustable current response value current of the current- dependent overload release       0.25 1 A         itpiping time at phase-loss maximum       3 s         relative repeat accuracy       1 %         product feature protective costing 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 eat CA at 600 V       5 A         • at CA at 250 V       1 A         contact rating of auxiliary contacts of overload relay eccording to UL       5 A         insultation voitage (UI)       • with multi-phase operation at AC rated value         • with multi-phase operation at AC rated value       600 V         degree of protection NEM rating       Open device (no enclosure)         design of the housing       NA         Mounting voiting       Surface mounting and installation         tightening torque [IbF in] for supply voltage line-side       Surface mounting and installation         type of electrical connection for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       20	reset function	Manual, automatic and remote
dependent overload release       3 s         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       1         eat DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         eat DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         eaccording to UL       5 A         insulation voltage (UI)       600 V         with single-phase operation at AC rated value       600 V         ewith multi-phase operation at AC rated value       300 V         Enclosure       Open device (no enclosure)         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       Strew-type terminals         tightening torque [Ibrin] for supply       35 uf (in         type of electrical	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         unber of NO contacts of auxiliary contacts of overload       1         etal C at 600 V       5 A         • at AC at 600 V       5 A         • at CC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       600 V         insulation voltage (Ui)       600 V         • with multi-phase operation at AC rated value       600 V         Boy open device (no enclosure)       NA         Mounting/wiring       NA         mounting position       Surface mounting and installation         Type of connectable conductor cor supply voltage line-side       1x(14 - 2 AWC)         at AWC atbles single or multi-stranded       1x(14 - 2 AWC)		0.25 1 A
product feature protective coating on printed-circuit board     Yes       number of NC contacts of auxiliary contacts of overload relay     1       number of NO contacts of auxiliary contacts of overload relay     1       operational current of auxiliary contacts of overload relay     1       operational current of auxiliary contacts of overload relay     1       operational current of auxiliary contacts of overload relay according to UL     5.A       insultation voltage (Ui)     • at DC at 250 V       • with single-phase operation at AC rated value     600 V       • with single-phase operation at AC rated value     600 V       enclosure     600 V       • with multi-phase operation at AC rated value     600 V       mounting position     Vertical       Mounting/wiring     NA       Mounting/wiring     NA       Mounting/wiring     Sa Surface mounting and installation       type of connectain for supply voltage line-side at AWG cables single or multi-stranded     Screw-type terminals       temperature of the conductor for supply maximum permissible     75 °C       material of the conductor for load-side outgoing feeder     20	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       1         operational current of auxiliary contacts of overload relay       5 A         • at CC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A         insulation voltage (UI)       • with single-phase operation at AC rated value         ewith multi-phase operation at AC rated value       600 V         edegree of protection NEMA rating       Open device (no enclosure)         design of the housing       NA         Mounting/Wring       NA         Mounting position       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [Ibf-in] for supply       35 35 Ibf-in         type of electrical connector for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       20 24 Ibf-in         tightening torque [Ibf-in] for load-side outgoing feeder       20 24 Ibf-in         type of electrical connector for load-side outgoing feeder       21 24 Ibf-in         type of electrical ounductor for load-side outgoing feeder       22	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       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       5 A         insultation voltage (UI)       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       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       800 V         factor of protection NEMA rating       Open device (no enclosure)         design of the housing       NA         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 electrical connection for load-side outgoing feeder	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         degree of protection NEMA rating         Open device (no enclosure)         design of the housing         Mounting/wiring         mounting position         fastening method         type of electrical connection for supply voltage line-side         tightening torque [IbF in] for supply         35 35 lbF in         type of connectable conductor cross-sections at line-side         tarefail of the conductor for supply maximum         permissible         material of the conductor for supply         AL or CU         type of electrical connection for load-side outgoing feeder         tightening torque [IbF in] for load-side outgoing feeder <td< td=""><td></td><td>1</td></td<>		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 single-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/wiring       mounting position         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Strew-type terminals         tightening torgue [lbf-in] for supply       35		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 (U)       • 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         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [bf·in] for supply       35 35 lbf in         type of electrical connection for supply maximum       75 °C         permissible       Connectable conductor for supply         Material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       20 24 lbf·in         tightening torque [bf·in] for load-side outgoing feeder       20 24 lbf·in         tightening torque [bf·in] for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         tightening torque [bf·in] at magnet coil       5	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         expression       300 V         Enclosure       300 V         degree of protection NEMA rating       Open device (no enclosure)         design of the housing       NA         Mounting/wiring       mounting position         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 for supply maximum permissible       75 °C         material of the conductor for supply maximum       75 °C         tightening torque [lbf-in] for load-side outgoing feeder       20 24 lbf in         type of connectable conductor rorse-sections at AWG cables ingle or multi-stranded       2x (14 - 10 AWG)         temperature of the conductor for load-side outgoing feeder       20 24 lbf in         type of connectable conductor for load-side outgoing feeder       2x (14 - 10 AWG)         tightening torque [lbf-in] for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       2x (14 - 10 AWG)	• 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     300 V       degree of protection NEMA rating     Open device (no enclosure)       design of the housing     NA       Mounting/wiring     NA       Mounting/wiring position     Vertical       fastening method     Surface mounting and installation       type of electrical connection for supply voltage line-side     Screw-type terminals       tightening torque [lbf:n] for supply     35 35 lbf:n       type of connectable conductor cross-sections at line-side     1x(14 - 2 AWG)       at AWG cables single or multi-stranded     Screw-type terminals       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 electrical connection for load-side outgoing feeder     2x (14 - 10 AWG)       temperature of the conductor for load-side outgoing feeder     75 °C       maximum permissible     75 °C       mat	• at DC at 250 V	1 A
with single-phase operation at AC rated value     with multi-phase operation at AC rated value     300 V      Fnclosure      degree of protection NEMA rating     Open device (no enclosure)     NA      Mounting/wiring     mounting position     fastening method     Surface mounting and installation     type of electrical connection for supply voltage line-side     at AVG cables single or multi-stranded     temperature of the conductor for supply maximum     permissible     matrial of the conductor for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     type of electrical connection of magnet coil     type of electrical connection of magnet coil     type of electrical connection of magnet coil     type of connectable conductor for sepsections at AWG     cub servetype terminals     tightening torque [lbf-in] at magnet coil     type of electrical connection of magnet coil     type of connectable conduct		5A@600VAC (B600), 1A@250VDC (R300)
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      mounting position     fastening method     Surface mounting and installation     type of electrical connection for supply voltage line-side     at AWG cables single or multi-stranded     temperature of the conductor for supply maximum     permissible     material of the conductor for load-side outgoing feeder     type of electrical connection for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     type of electrical connection of load-side outgoing feeder     type of electrical connector for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     type of electrical connection of magnet coil     type of electrical connection of	insulation voltage (Ui)	
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         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf-in] for supply       35 35 lbf-in         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       1x(14 - 2 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       20 24 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       2 x (14 - 10 AWG)         temperature 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       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       75 °C      <	<ul> <li>with single-phase operation at AC rated value</li> </ul>	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           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         20 24 lbf-in           type of connectable conductor for load-side outgoing feeder         20 24 lbf-in           temperature of the conductor for load-side outgoing feeder         75 °C           material of the conductor for load-side outgoing feeder         20 24 lbf-in           type of connectable conductor for load-side outgoing feeder         20 24 lbf-in           type of electrical connection of magnet coil         5 12 lbf-in           tightening torque	<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
design of the housing       NA         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       1x(14 - 2 AWG)         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 rorss-sections at AWG cables for load-side outgoing feeder       20 24 lbf·in         type of connectable conductor for load-side outgoing feeder       20 24 lbf·in         type of connectable conductor for load-side outgoing feeder       20 24 lbf·in         type of load-side outgoing feeder single or multi-stranded       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       20 24 lbf·in         type of electrical connection of noad-side outgoing feeder       20 24 lbf·in         type of electrical connection of magnet coil       5crew-type terminals	Enclosure	
design of the housing       NA         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       1x(14 - 2 AWG)         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 rorss-sections at AWG cables for load-side outgoing feeder       20 24 lbf·in         type of connectable conductor for load-side outgoing feeder       20 24 lbf·in         type of connectable conductor for load-side outgoing feeder       20 24 lbf·in         type of load-side outgoing feeder single or multi-stranded       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       20 24 lbf·in         type of electrical connection of noad-side outgoing feeder       20 24 lbf·in         type of electrical connection of magnet coil       5crew-type terminals	degree of protection NEMA rating	Open device (no enclosure)
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material of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf·in] for load-side outgoing feeder20 24 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded2 x (14 - 10 AWG)temperature 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 type of electrical connection of magnet coilCUtype of electrical connection of magnet coil5 12 lbf·intightening torque [lbf·in] at magnet coil2 x (16 - 12 AWG)	temperature of the conductor for supply maximum	75 °C
type of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf·in] for load-side outgoing feeder20 24 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- 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 type of electrical connection of magnet coilCUtightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)	-	AL or CU
tightening torque [lbf·in] for load-side outgoing feeder20 24 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- 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 type of electrical connection of magnet coilCUtightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)		
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maximum permissible       CU         material of the conductor for load-side outgoing feeder       CU         type of electrical connection of magnet coil       screw-type terminals         tightening torque [lbf·in] at magnet coil       5 12 lbf·in         type of connectable conductor cross-sections of magnet       2 x (16 - 12 AWG)	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	2 x (14 - 10 AWG)
type of electrical connection of magnet coilscrew-type terminalstightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)		75 °C
tightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)	material of the conductor for load-side outgoing feeder	CU
type of connectable conductor cross-sections of magnet 2 x (16 - 12 AWG)	type of electrical connection of magnet coil	screw-type terminals
	tightening torque [lbf-in] at magnet coil	5 12 lbf·in
	type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	2 x (16 - 12 AWG)

temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection for auxiliary contacts	screw-type terminals
tightening torque [lbf·in] at contactor for auxiliary contacts	10 15 lbf·in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded	1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	screw-type terminals
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi- stranded	2 x (20 - 14 AWG)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)
design of the short-circuit trip	Thermal magnetic circuit breaker
breaking capacity maximum short-circuit current (lcu)	
• 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)	

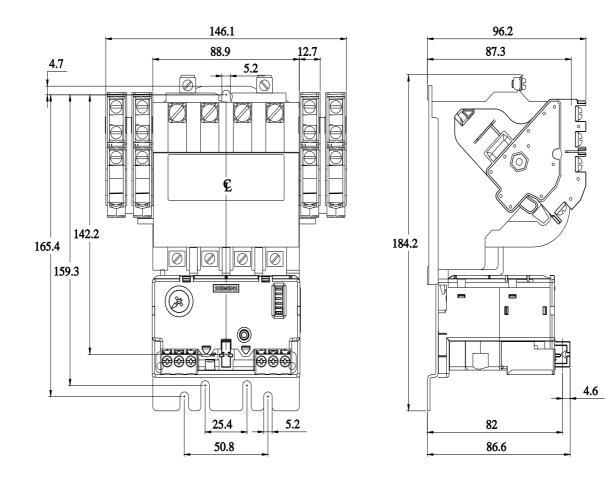
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14DUA32AG&lang=en

Certificates/approvals

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last modified:

11/29/2021 🖸