## SIEMENS

## Data sheet

## US2:14DUD32FL



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 5.5-22A, 240V 50Hz / 277V 60Hz coil, Non-combination type, Enclosure type 4X fiberglass, Water/dust tight noncorrosive, Standard width enclosure

Figu	resin	nilar	
1.90			

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]	14 lb
Height x Width x Depth [in]	15 × 12 × 7 in
touch protection against electrical shock	(NA for enclosed products)
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	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	3 hp
• at 220/230 V rated value	3 hp
• at 460/480 V rated value	10 hp
• at 575/600 V rated value	10 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	

• Al A at 60 Hz mission         277 V           Indiag power of magnet coll at AC         248 VA           apparent holding power of magnet coll at AC         248 VA           apparent holding power of magnet coll at AC         258 VA           apparent holding power of magnet coll at AC         258 VA           apparent holding power of magnet coll at AC         258 VA           apparent holding power of magnet coll at AC         258 VA           apparent holding power of magnet coll related to the fight voltage of magnet coll related to the fight voltage of magnet coll related to the fight voltage for the fight voltage of magnet coll related to the fight voltage of magnet coll related to the fight voltage for the fight voltage for the fight voltage of magnet coll related to the fight voltage for t		04014
Indeling power at AC minimum         8.4 W           apparent protect         apparent protect           apparent protect         14.0 C           apparent protect         25 VA           Ode S., 1.1         05, 1.1           protects         05, 1.1           protects         05, 1.1           protects         05, 1.1           Overload protection         90, 24 ms           Overload protection         Ves           • overload protection         Ves	at AC at 50 Hz rated value	240 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 protection         Yes           • everload protection         Yes           • everload relay         CLASS 5 / 10 / 20 (factory set) / 30           • everload relay         5 5 22 A           deparent holding protect of approxemandum         3 s           relative repeat accuracy         1 %           product feature protective coating on printed-circuit board         1           runnber of NC contacts of auxiliary contacts of overload         1           relative repeat accuracy         5 A           • at CC at 20 V         1 A      <		
apparent holding power of magnet coil # AC         25 VA           operating range factor control supply voltage rated value         0.65 1.1           of magnet coil         9.65 1.1           operating range factor control supply voltage rated value         0.65 1.1           ON-delay time         10 24 ms           Overload rated         9.65 1.1           overload protection         Yes           • saymmety detection         Yes           • start function         Yes           • external reset         Yes           reset function         CLASS 5 / 10 / 20 (lactory set) / 30           adjustable current response value current of the current-         5 2 A           dependent overload release         1%           product faature protective coating on printed-circuit baard         Yes           number of NC contacts of auxiliary contacts of overload relay         1           relay         1         1           operational current of auxiliary contacts of overload relay         5 A           • at DC at 250 V         1 A <t< td=""><td></td><td></td></t<>		
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 detection         Yes           • aground fault detection         Yes           • external reset         Yes           • external reset         Yes           • fig. class         CLASS 5 / 10 / 20 (factory set) / 30           • fig. class         CLASS 5 / 10 / 20 (factory set) / 30           • fig. class         CLASS 5 / 10 / 20 (factory set) / 30           • relative repeat accuracy         1 %           relative repeat accuracy         1 %           product feature protective contacts of auxiliary contacts of overload         1           relative repeat accuracy         1 %           opticat affing of auxiliary contacts of overload relay         5 Å           • at CC at 260 V         1 Å           • at CC at 260 V         1 Å           • at CC at 260 V         1 Å           isstering protection RelAk rating         4X. Roer glass           design of the lows		
af magnic coli procental dispect withlings of magnet coli related to the input vidiage OF-Foldery time 1024 ms Coverload relaty product function • overload protection • private future detection • external reset reset function * external reset * external		
input voltage         19 29 ms           OFF-delay time         19 29 ms           OFF-delay time         10 24 ms           Overload protection         Yes           • overload protection         Yes           • phase fullow detection         Yes           • asymmetry detection         Yes           • external reset         Yes           • external reset         Yes           • external reset         Manual, automatic and remote           Tripoles         CLASS 57 10 / 20 (factory set) / 30           - dijustable current response value current of the current-         76 5 22 A           - optase flance         Yes           redet reset function         Yes           redet response value current of the current-         76 %           optact feature protective coating on printed-circuit board         1           relative repeat accuracy         1%           • at CC at 280 V         1A           contact rating of auxiliary contacts of overload relay         5 A           • at CC at 280 V         1A           restard         Sud@BOVAC (B600), 1A@250VDC (R300)           restard         Yes           mouther of the conductor for supply voltage line-aide         5 C           source mounting	of magnet coil	
OFF-deby time     10 24 ms       Overload relay     Product function       • overload protection     Yes       • phase fullure detection     Yes       • aymmetry detection     Yes       • aymetry detection     Yes       • external reset     Yes       • phase feat phase-loss maximum     3 s       reset function     3 s       reset function     1 %       product feature protective coating on printed-circuit board     1       reset function     1 %       product feature protective coating on printed-circuit board     1       reset function     1 %       product feature protective coating on printed-circuit board     1       reset function     1       unmber of NC contacts of auxiliary contacts of overload     1       reset function     5 A       a C Cat 250 V     1 A       contact rating of auxiliary contacts of overload relay     5A       ewith multi-phase operation at AC rated value     500 V       with multi-phase operation at AC rated value     500 V       fore     Surface mounting and installation <td></td> <td>50 %</td>		50 %
Overload relay         Yes           product function         Yes           • overload protection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • external reset         Yes           • external reset         Yes           • external reset         Yes           # external reset         Yes           # operational courses         CLASS 5/ 10 / 20 (factory set) / 30           adjustable current response value current of the current- dependent oreional relases         1%           # reset function         Yes           mumber of NC contacts of auxiliary contacts of overload relay         1           oretact rating of auxiliary contacts of overload relay         1           oretact rating of auxiliary contacts of overload relay         5 Å           • at OC at 250 V         1 Å           insultation voltage (U)         5 Å           • with multi-phase operation at AC rated value         600 V           • with multi-phase operation at AC rated value         00 V           • with multi-phase operation at AC rated value         00 V           • with multi-phase operation at AC rated value         00 V           • with multi-phase operation at AC rated value         00 V <t< td=""><td>ON-delay time</td><td>19 29 ms</td></t<>	ON-delay time	19 29 ms
product function     Yas       • overfload protection     Yas       • apsmethy detection     Yas       • aground fault detection     Yas       • aground fault detection     Yas       • aground fault detection     Yas       • external reset     Yas       reset function     Yas       thy class     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current     CLASS 5 / 10 / 20 (factory set) / 30       dependent overload release     1 %       product fautre protective coating on printed-oricult board     Yes       number of NC contacts of auxiliary contacts of overload relay     1       • at DC at 280 V     5 A       • at CC at 280 V     5 A       • at DC at 280 V     5 A       • at DC at 280 V     5 A       • 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     500 V       • with multi-phase operation at AC rated value     500 V       • with multi-phase operation at AC rated value<	OFF-delay time	10 24 ms
voverlad protection     ves     voverlad protection     ves     ves     asymmetry detection     ves     asymmetry detection     ves     agund fault detection     ves	Overload relay	
Phase failure detection     Yes     asymmetry detection     Yes     aground tail detection     Yes     ground tail detection     Yes     resel function     Yes     resel     rese     resel	product function	
esymmetry detection     Yes     ground fault detection     Yes     external reset     external reset     external reset     ves     ves     external reset     Ves     ves     external reset     Ves     Ves     external reset     Ves     external reset     Ves     CLASS 5/ 10 / 20 (factory set) / 30     S     distable current response value current of the current-     dependent overload release     1     fighting time at phase-loss maximum     3 s     relative repeat accuracy     1     %     product feature protective coaling on printed-circuit board     Yes     number of NC contacts of auxiliary contacts of overload     1     relay     repeational current of auxiliary contacts of overload     relay     eat AC at 600 V     i at DC at 250 V     1A     contact rating of auxiliary contacts of overload relay     external regination value     with multi-phase operation at AC rated value     300 V     Enclosure     degree of protection NEMA rating     degree of protection NEMA rating     Verical     Surface mounting and installation     Vye of connectable conductor for supply     3a 33 bit/in     Yye of connectable conductor for supply     AL or CU     Vye of electrical connection for supply maximum     permissible     remersion for load-side outgoing feeder     Sizew-type terminals     tightering torque [Ut-In] for tad-side outgoing feeder     Max(14 - 2 AWG)     X(14 - 2	<ul> <li>overload protection</li> </ul>	Yes
• eround fault detection     Yes       • test function     Yes       reset function     Manual, automatic and remote       thp class     CLASS 57 10 / 20 (factory set) / 30       adjustable current response value current of the current- dependent overhear frelease.     5.5 22 A       thpping 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       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     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 single-phase operation at AC rated value     500 V       • with single-phase operation at AC rated value     500 V	<ul> <li>phase failure detection</li> </ul>	Yes
test function         Yes         external reset         Yes         fripring time at phase-loss maximum         3 s         relative repeatence         for Contacts of auxiliary contacts of overload         relay         relative repeatence         for Contacts of auxiliary contacts of overload         relay         ext at Co         vertex of auxiliary contacts of overload         relay         ext at Co         vertex of auxiliary contacts of overload         relay         ext at Co         vertex of auxiliary contacts of overload         relay         ext at Co         vertex of auxiliary contacts of overload         relay         ext at Co         vertex of auxiliary contacts of overload         relay         contact reling of auxiliary contacts         foverload         foverload         contact reling is ontacts         foverload	<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         5.522 A           tripping 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           • at DC at 260 V         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         300 V           Enclosure         4X, fiber glass           design of the housing         Dust-tight, watertight & corrosion resistant           Mounting/wring         Surface mounting and installation           type of electrical connection for supply voltage line-side         35 Linin           type of e	<ul> <li>ground fault detection</li> </ul>	Yes
reset function       Manual, automatic and remote         trip class       CLASS 57 10 / 20 (factory set) / 30         adjustable current response value current of the current- dependent overload release       522 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 rating of auxiliary contacts of overload relay       5.A@@00VAC (B600), 1A@250VDC (R300)         according to UL       5.A@@00VAC (B600), 1A@250VDC (R300)         insulation voltage (UI)       • with multi-phase operation at AC rated value         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       500 V         featogen       Dust-light, waterlight & corrosion resistant         Mounting/wiring       Forcew-type terminals         mounting position       Surface mounting and installation         Sype of electrical connection for supply woltage line-side       35 35 librlin         type of electrical connection for supply maximum       75 °C	test function	Yes
trip class       CLASS 5 / 10 / 20 (factory set) / 30         adjustble current response value current of the current- dependent overload release       5	external reset	Yes
adjustable current response value current of the current- dependent overload release       5.5 22 A         tripping time a 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 eaccording to UL       5.A         ontact rating of auxiliary contacts of overload relay according to UL       5.A         insultion voitage (UI)       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       600 V         • with multi-phase operation at AC rated value       5.S 35 lbFin         Mounting position       Surface mounting and installation         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       35 35 lbFin         type of electrical connection for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         type of electrical connection for load-side outgoing feede	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         relay       e 1A C at 60 0 V         according to UL       5A         insulation voltage (U)       6A C ated V         with single-phase operation at AC rated value       600 V         ewith multi-phase operation at AC rated value       600 V         edistion of the housing       Dust-light, watertight & corrosion resistant         Mounting/wiring       24X, fiber glass         mounting ovision       Surface mounting and installation         type of electrical connection for supply voltage line-side       Sturface mounting and installation         type of electrical connection for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         timpertive of the conductor for load-side outgoing feeder	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         operational current of auxiliary contacts of overload relay       5 A         • at AC at 600 V       5 A         insulation voltage (Ui)       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       500 V         • mounting position       Vertical         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       11(14 - 2 AWC)         at AWC atoles single or multi-stranded       12(14 - 2 AWC)         at AWC atoles single or multi-stranded		5.5 22 A
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       5 A         • at AC at 600 V       5 A         • at AC ated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       500 V         • mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       11(14 - 2 AWC)         tightening torque [lbf-in] for supply       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       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         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       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       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       Screw-type terminals         tightening torque [Ibf-in] for load-side outgoing feeder       Screw-type terminals         tightening torque [Ibf-in] for load-side outgoing feeder       Screw-type terminals         tightening torque [Ibf-in] for load-side outgoing feeder       Screw-type terminals	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       500 V         • with multi-phase operation at AC rated value       600 V         • mounting voltage (UI)       600 V         facere of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, waterlight & corrosion resistant         Mounting/wiring       mounting position         fastening method       Surface mounting and installation         type of electrical connection for supply       35 35 lbfin	product feature protective coating on printed-circuit board	Yes
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       5 A         according to UL       5 A@600VAC (B600), 1A@250VDC (R300)         according to UL       5 A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       600 V         • with multi-phase operation at AC rated value       600 V         eegree of protection NEMA rating       4X, fiber glass         deegree of protection NEMA rating       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Dust-tight, watertight & corrosion resistant         Mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       35 35 lbFin         type of electrical connection for supply maximum permissible       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       35 35 lbFin         type of electrical connection for load-side outgoing feeder       35 35 lbFin         material of the conductor for supply       AL or CU         type of electrical connection for lo	number of NC contacts of auxiliary contacts of overload	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       5 A@@00VAC (B600), 1A@250VDC (R300)         according to UL       insulation voltage (Ui)         • 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         • degree of protection NEMA rating       4X, fiber glass         degree of protection NEMA rating       5cme-type terminals         mounting position       Vertical         fastening method       Surface mounting and installation         tightening torque [Ibf in] for supply       35 35 Ibf in         Vep of connectable conductor roses-sections at line-side       1x(14 - 2 AWG)         at AWG cables single or multi-stranded       Ts °C         material of the conductor for supply maximum       75 °C         per of connectable conductor roses-sections at AWG       35 35 Ibf in         tightening torque [Ibf in] for load-side outgoing feeder       1x(14 - 2 AWG)         tightening torque [Ibf in] for load-side outgoing feeder       1x(14 - 2 AWG)         tightening torque [Ibf in] for load-side outgoing feeder       1x(14 - 2 AWG)         tightening torque [I	number of NO contacts of auxiliary contacts of overload	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         • with single-phase operation at AC rated value       000 V         Enclosure       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position         Type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torgue [lbf-in] for supply       35	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 of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position         Vertical       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 for supply maximum permissible       75 °C         material of the conductor for supply maximum       75 °C         type of connectable conductor for supply       AL or CU         type of connectable conductor for supply       AL or CU         type of connectable conductor for load-side outgoing feeder       35 35 lbf in         type of connectable conductor for load-side outgoing feeder       35 35 lbf in         type of connectable conductor for supply       AL or CU         type of connectable conductor for load-side outgoing feeder       35 35 lbf in         type of connectable conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side		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       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         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         lype 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 for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       1x(14 - 2 AWG)         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         maximum permissible       75 °C         maximum permissible       75 °C         maximum permissible       75 °C	• 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       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       0         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       35 35 lbr/in         type of electrical connection for supply voltage line-side       35 35 lbr/in         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       1x(14 - 2 AWG)         material of the conductor for load-side outgoing feeder       35 35 lbr/in         type of connectable conductor for supply maximum permissible       1x(14 - 2 AWG)         material of the conductor for load-side outgoing feeder       35 35 lbr/in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       35 35 lbr/in         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       35 35 lbr/in         type of connectable conductor for load-side outgoing feeder       35 12 lbr/in		5A@600VAC (B600), 1A@250VDC (R300)
with multi-phase operation at AC rated value 300 V      Enclosure      degree of protection NEMA rating 4X, fiber glass     design of the housing Dust-tight, watertight & corrosion resistant      Mounting/wiring      mounting position     fastering 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     matrial of the conductor for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     type of electrical connection for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     maximum permissible     material of the conductor for load-side outgoing feeder     type of electrical connection of magnet coil     type of connectable conductor for ses-sections of magnet     type of electrical connection of magnet coil     type of electrical connection of magnet coil     type of electrical connection of magnet coil		
with multi-phase operation at AC rated value 300 V      Enclosure      degree of protection NEMA rating 4X, fiber glass     design of the housing Dust-tight, watertight & corrosion resistant      Mounting/wiring      mounting position     fastering 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     matrial of the conductor for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     type of electrical connection for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     maximum permissible     material of the conductor for load-side outgoing feeder     type of electrical connection of magnet coil     type of connectable conductor for ses-sections of magnet     type of electrical connection of magnet coil     type of electrical connection of magnet coil     type of electrical connection of magnet coil	<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         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       Tx (14 - 2 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor ross-sections at AWG cables for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor ross-sections at AWG cables for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable 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		300 V
degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         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       Tx (14 - 2 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor ross-sections at AWG cables for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor ross-sections at AWG cables for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable 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	Enclosure	
design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Provide the tight of the tight of tight o		4X. fiber glass
Mounting/wiring         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf·in] for supply       35 35 lbf·in         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       1x(14 - 2 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       Screw-type terminals         tightening torque [lbf·in] for load-side outgoing feeder       35 35 lbf·in         type of connectable conductor for supply       AL or CU         type of connectable conductor for load-side outgoing feeder       35 35 lbf·in         tightening torque [lbf·in] for load-side outgoing feeder       35 35 lbf·in         type of connectable conductor for load-side outgoing feeder       1x(14 - 2 AWG)         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       1x(14 - 2 AWG)         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-		-
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type of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf·in] for load-side outgoing feeder35 35 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x(14 - 2 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 coilAL or CUtightening 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 feeder35 35 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x(14 - 2 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 coilAL or CUtightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)		
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded       1x(14 - 2 AWG)         temperature of the conductor for load-side outgoing feeder maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       AL or CU         type of electrical connection of magnet coil       screw-type terminals         tightening torque [lbf-in] at magnet coil       5 12 lbf-in         type of connectable conductor cross-sections of magnet       2 x (16 - 12 AWG)		
maximum permissible       AL or CU         material of the conductor for load-side outgoing feeder       AL or CU         type of electrical connection of magnet coil       screw-type terminals         tightening torque [lbf·in] at magnet coil       5 12 lbf·in         type of connectable conductor cross-sections of magnet       2 x (16 - 12 AWG)	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	
material of the conductor for load-side outgoing feeder       AL or CU         type of electrical connection of magnet coil       screw-type terminals         tightening torque [lbf·in] at magnet coil       5 12 lbf·in         type of connectable conductor cross-sections of magnet       2 x (16 - 12 AWG)		75 °C
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)	material of the conductor for load-side outgoing feeder	AL or CU
tightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)		screw-type terminals
type of connectable conductor cross-sections of magnet 2 x (16 - 12 AWG)		5 12 lbf·in
coll at AvvG caples single of multi-stranged		2 x (16 - 12 AWG)

temperature of the conductor at magnet coil maximum permissible	75 °C	
material of the conductor at magnet coil	CU	
type of electrical connection for auxiliary contacts	screw-type terminals	
tightening torque [lbf·in] at contactor for auxiliary contacts	10 15 lbf·in	
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded	1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C	
material of the conductor at contactor for auxiliary contacts	CU	
type of electrical connection at overload relay for auxiliary contacts	screw-type terminals	
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in	
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi- stranded	2 x (20 - 14 AWG)	
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C	
material of the conductor at overload relay for auxiliary contacts	CU	
Short-circuit current rating		
design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)	
design of the short-circuit trip	Thermal magnetic circuit breaker	
breaking capacity maximum short-circuit current (Icu)		
• at 240 V	14 kA	
● at 480 V	10 kA	
• at 600 V	10 kA	
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14	
Further information		
Industrial Controls - Product Overview (Catalogs, Broch	ures,)	
www.usa.siemens.com/iccatalog		
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14DUD32FL		
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:14DUD32FL		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14DUD32FL⟨=en		
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:14DL	JD32FL/certificate	

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