## SIEMENS

## Data sheet

## US2:17DUD82BE11



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 5.5-22A, Combination type, 30A fusible disconnect, 30A/600V fuse clip, Enclosure NEMA type 1, Indoor general purpose use, Extra-wide enclosure

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product brand name	Class 17
design of the product	Non-reversing motor starter with fusible disconnect
special product feature	ESP200 overload relay
General technical data	
weight [lb]	47 lb
Height x Width x Depth [in]	24 × 20 × 8 in
touch protection against electrical shock	NA for enclosed products
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
during storage	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
during operation	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
<ul> <li>at 200/208 V rated value</li> </ul>	0 hp
<ul> <li>at 220/230 V rated value</li> </ul>	0 hp
<ul> <li>at 460/480 V rated value</li> </ul>	10 hp
<ul> <li>at 575/600 V rated value</li> </ul>	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	

• at AC at 60 Hz rade value     675 600 V       holding power of magnet coil at AC     218 VA       apparent pick-up power of magnet coil at AC     25 VA       operating range factor control supply voltage rated value     0.85 1.1       of magnet coil     0.85 0.1       ON-delay time     19 20 ms       OP-reday time     19 20 ms       Overload protection     Yes       • overload protection     Yes       • asymmetry detection     Yes       • attental reset     Yes       • attental reset     S 2.2 A       • attental reset     S 2.2 A       • attental reset     Yes       • attental reset of auxiliary contacts of overload relay       • attent response value current of the current-dependent overload relays       • attent response value current of the current-dependent overload relay       • atto Cataso 0     1%       • atto Cataso 0     1%		5501/
holding power at AC minimum     8.6 W       apparent holdsup power of magnet coil at AC     218 VA       apparent holding power of magnet coil at AC     26 VA       operating range factor control supply voltage rated value     0.85 1.1       of magnet coil     60 %       percental drop-out voltage of magnet coil related to the input voltage     9 29 mis       OPF-delay time     10 24 mis       OPF-delay time     10 24 mis       Overload rolay     Yes       • apparent holding to the top to the top	at AC at 50 Hz rated value	550 V
apparent pick-up power of magnet coll at AC         218 VA           apparent holding power of magnet coll et AC         25 VA           operating range factor control supply voltage related value         60.851.1           of magnet coll         50 %           percent at rop-out voltage of magnet coll related to the input voltage         50 %           OH-delay time         10 24 ms <b>Overload function</b> Yes           • overload protection         Yes           • overload protection         Yes           • overload robust         Yes           reset function         Manual, automatic and renote           trip class         GLASS 5 / 10 / 20 (factory set) / 30           >		
apperent holding power of magnet coil a AC         25 VA           operating regis factor control supply voltage rated value         0.85 1.1           of magnet coil         0.85 1.1           paccential drop-out voltage of magnet coil related to the inpot voltage         50 %           OPF-delay time         10 29 ms           OPF-delay time         10 24 ms           Overload rolay         Yes           product function         Yes           • overload protection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • estermal reset         Yes           • estermal reset         Yes           reset function         <		
operating range factor control supply voltage rated value of magnet Coll         0.85 1.1           percental drop-out voltage of magnet coll related to the input voltage         50 %           ON-delay time         10 24 ms           Vorticad relay         10 24 ms           vestional reset         Yes           • external reset         Yes           • external reset         Yes           reset function         Manual, automatic and remote           tripping time at hase-loss maximum         3 s           relative repeat accuracy         1 %           product fautre to contacts of auxiliary contacts of overload         1           rumber of NC contacts of auxiliary contacts of overload         1           relay         5 A         30 A/600V </td <td></td> <td></td>		
of magnet coil       50 %         input voltage       50 %         ON-delay time       10 24 ms         OFF-delay time       10 24 ms         Overload rolay       yes         • overload protection       Yes         • overload protection       Yes         • asymmetry detection       Yes         • asymmetry detection       Yes         • estabure detection       Yes         • estaburc detection       Yes         • estaburc detection       Yes         • estaburc detection       Yes         • estabulation current response value current of the current-dependent overload relase       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current-dependent overload relase       1 %         product feature protective coating on printed-circuit board       Yes         relay       number of NC contrads of auxiliary contacts of overload       1         relay       at DC at 250 V       1 A         operational current of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         featower       Glass R tyse clips         operating loss of the tuse link       Class R tyse clips         operating loss of the tuse link       Class R tyse cl		
input voltage     9     29 ms       OFF-delay time     10     24 ms       Ovaridad rolay     product function     Yes       • verified protection     Yes       • ground fault detection     Yes       • ground fault detection     Yes       • estimal reset     Yes       • external reset     Yes       • external reset     Yes       • external reset     Yes       • external reset     Yes       reset function     Statistic reset       reset function     Yes       number of NC contacts of auxiliary contacts of overload     1       relay     Contact of auxiliary contacts of overload relay <td>of magnet coil</td> <td></td>	of magnet coil	
OFF-delay time       10 24 ms         Overload rolay       product function         • verload protection       Yes         • ophase failure detection       Yes         • asymmetry detection       Yes         • estemal reset       Yes         • external reset       Yes         • external reset       Yes         • external reset       Yes         • external reset       Yes         reset function       Yes         reset function       Xes         ripping time at phase-loss maximum       3.8         relative repeat accuracy       1%         product fature protective coating on printed-circuit board       1         number of NC contacts of auxiliary contacts of overload relay       5.A         • at Oct at 50 V       5.A         • at Oct at 50 V       5.A         • at Oct at 250 V       1.A         Insulation voltage (UI)       600 V         • with single-phase operation at AC rated value       600 V         • with with thighese operation at AC rated value       500 V         feature of sultich disconnector       300 V         Disconding to UL       1         Insulation voltage (UI)       600 V         • with withi-phase ope		50 %
Overload relay           product function           • vertrad protection           • symmetry detection           • symmetry detection           • external reset           • external reset           reset function           thip is a protection           verset           reset function           thip class           adjustable current response value current of the current- dependent overload release           thipping time at phase-loss maximum           3 s           relative repeat accuracy           number of NC contacts of auxiliary contacts of overload           relay           number of NC contacts of auxiliary contacts of overload           relay           octat ratio of auxiliary contacts of overload relay according to U.           orbit at 250 V           • at C at 250 V           • at C at 250 V           • at C at 250 V           • with multi-phase operation at AC rated value           • with multi-phase operation at AC rated value           • with multi-phase operation at AC rated value           operating class of the fuse link           Class R           Enclosure           degree of protection NEMA rating           degree of protection NEMA rating     <	ON-delay time	19 29 ms
product function         Yes           • vertical protection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • esternal 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	OFF-delay time	10 24 ms
	Overload relay	
Phase failure detection     Saymmetry detection	product function	
esymmetry detection     ergound fault detection     ergound fault detection     ergound fault detection     esternal reset     external reset     reset function     Manual, automatic and remote     trip class     cLASS 5/ 10 / 20 (factory set) / 30     adjustable current response value current of the current-     dependent overhold release     tripping time at phase-loss maximum         3 s     reletive repeat accuracy         1%     product feature protective coating on printed-circuit board     relay     number of NC contacts of auxiliary contacts of overhoad     relay     operational current of auxiliary contacts of overhoad relay     eit AC at 600 V         5 A     eit DC at 250 V         1A     contact rating of auxiliary contacts of overhoad relay     with multi-phase operation at AC rated value     ewith multi-phase operation at AC rated value     solo V     ewith multi-phase operation at AC rated value     solo V     expressive aux of switch disconnector         30A / 600V     design of fuse holder         Class R fuse clips         operating class of the fuse link         Class R fuse clips         operating class of the fuse link         Class R fuse clips         operating class of the fuse link         Class R fuse clips         operating class of the fuse link         Class R fuse clips         operating class of the fuse link         Class R fuse clips         operating class of the fuse link         fastening method         Surface mounting and installation         Surface mounting and installation         Surface mounting a	<ul> <li>overload protection</li> </ul>	Yes
	<ul> <li>phase failure detection</li> </ul>	Yes
• external reset       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 verhoad release       522 A         tripping time at phase-loss maximum       3 s         relative repeat accuracy       1%         product feature protective coating on printed-circuit board       1         number of NC contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5         • at AC at 800 V       5 A         • at CC at 250 V       1 A         ontact rating of auxiliary contacts of overload relay       5A@600VAC (B600), 1A@250VDC (R300)         according to UI.       5A@600VAC (B600), 1A@250VDC (R300)         according to UI.       600 V         • with multi-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       300 V         Disconnect Switch       Class R fuse clips         coparating class of the fuse link       Class R         Enclosure       -         degree of protection NEMA rating	<ul> <li>asymmetry detection</li> </ul>	Yes
external reset         Yes           reset function         Manual, automatic and remole           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         Yes           number of NC contacts of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         1           out Cat 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 multi-phase operation at AC rated value         600 V           operating class of the fuse link         Class R <b>Felosure</b> Class R <b>factoninection</b> NEMA rating	<ul> <li>ground fault detection</li> </ul>	Yes
reset function       Manual, automatic and remote         tip class       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current- dependent overload release       5.5 22 A         tipping 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       1         operational current of auxiliary contacts of overload relay       5.4         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5A         • at DC at 250 V       1 A         insulation voltage (UI)       600 V         • with multi-phase operation at AC rated value       600 V         0 bisconnect Switch       30 A / 600V         response value of switch disconnector       30A / 600V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       4         degree of protection NEMA rating       1         design of the housin	test function	Yes
trip class         CLASS 5 / 10 / 20 (factory set) / 30           adjustable current response value current of the current- dependent overload release         5.5 22 A           tripping time at phase-loss maximum         3 s           relative repeat accuracy         1 %           product feature protective coating on printed-circuit board         1           number of NC contacts of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay eact AC at 600 V         5 A           eat 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         300 V           Disconnect Switch         Class R fuse clips           response value of switch disconnector         30A / 600V           design of fuse holder         Class R fuse clips           operating class of the fuse link         Class R           Enclosure         Mounting/wring           mounting position         vertical           type of electrical connection for supply voltage line-side at AWC subles single or multi-stranded         1x (14 2 AWG)           tightening torque [Ibfrin] for supply         35 35 lbf-in	external reset	Yes
adjustable current response value current of the current- dependent overload release       5.5 22 A         tripping time at phase-loss maximum       3 s         relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       1 %         number of NC contacts of auxiliary contacts of overload       1         relay       1         operational current of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       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@600VAC (B600), 1 A@250VDC (R300)         according to UL       5 A@600VAC (B600), 1 A@250VDC (R300)         insulation voltage (Ui)       • with multi-phase operation at AC rated value       600 V         with multi-phase operation at AC rated value       600 V       30A / 600V         design of the sub folder       Class R fuse clips       class R         clocuster       degree of protection NEMA rating       1         design of the housing       indoors, usable on a general basis         Mounting/wring       vertical       Surface mount	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 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 raing 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         300 V       0V         Disconnect Switch       Class R fuse clips         operating class of the fuse link       Class R         Class R       Class R         Mounting/wiring       1         mounting position       vertical         Surface mounting and installation       Surface mounting and installation         Type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded       1x (14 2 AWG)         degree of the conductor for supply unaximum       75 °C         mounting of the conductor for supply       AL or CU         type of electrical connection for lod	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         number of NO contacts of auxiliary contacts of overload       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       5A@600VAC (B600), 1A@250VDC (R300)         according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       300 V         Disconnect Switch       200 V         response value of switch disconnector       30A / 600V         degree of protection NEMA rating       1         degree of protection NEMA rating       1         design of the bousing       indoors, usable on a general basis         Mounting/wiring       vertical         mounting position       Surface mounting and installation         type of electrical connection for supply voltage line-side       1x (14 2 AWG)         type of conneclable conductor for supply       35 35 lbf-in		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       1         • at AC at 600 V       5 A         • at DC at 250 V       1 A         contact rating 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 single-phase operation at AC rated value       300 V         Disconnect Switch       Class R fuse clips         response value of switch disconnector       30A / 600V         degree of protection NEMA rating       1         design of thuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       degree of protection NEMA rating         degree of protection NEMA rating       1         if satisting method       Surface mounting and installation         type of electrical connection for supply voltage line-side       30x / 400Y         design of the conductor for supply voltage line-side       1         mounting position       vert	tripping time at phase-loss maximum	3 s
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       1         • at 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       5A@600VAC (B600), 1A@250VDC (R300)         according to UL       600 V         insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         design of the fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       degree of protection NEMA rating       1         design of the housing       indoors, usable on a general basis         Mounting/wiring       vertical       Surface mounting and installation         type of electrical connection for supply voltage line-side       30. 1/4 2 AWG)       1x (14	relative repeat accuracy	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       1         • at 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       5A@600VAC (B600), 1A@250VDC (R300)         according to UL       600 V         insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         design of the fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure       degree of protection NEMA rating       1         design of the housing       indoors, usable on a general basis         Mounting/wiring       vertical       Surface mounting and installation         type of electrical connection for supply voltage line-side       30. 1/4 2 AWG)       1x (14	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 according to UL       5 A@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       300 V         Disconnect Switch       Class R fuse clips         operating class of the fuse link       Class R         Enclosure          degree of protection NEMA rating       1         design of the housing       indoors, usable on a general basis         Mounting/wring          mounting position       vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         at XWG 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       Screw-type terminals <td>number of NC contacts of auxiliary contacts of overload</td> <td>1</td>	number of NC 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 (U)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V       00 V         • with multi-phase operation at AC rated value       300 V       00 V         Disconnect Switch       Class R fuse clips       00 V         response value of switch disconnector       30A / 600V       00 San A (200 V)         design of fuse holder       Class R fuse clips       00 V         operating class of the fuse link       Class R       Class R         Enclosure       1       indoors, usable on a general basis         Mounting/wiring       vertical       Surface mounting and installation         Mounting position       vertical       Box lug         tightening torque [lbf:n] for supply       35 35 lbf:in       1x (14 2 AWG)         type of connectable conductor for supply maximum permissible       75 °C       material of the conductor for supply         material of the conductor for supply       AL or CU       Screw-type terminals       Screw-type terminals	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 (U)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V       00 V         • with multi-phase operation at AC rated value       300 V       00 V         Disconnect Switch       Class R fuse clips       00 V         response value of switch disconnector       30A / 600V       00 San A (200 V)         design of fuse holder       Class R fuse clips       00 V         operating class of the fuse link       Class R       Class R         Enclosure       1       indoors, usable on a general basis         Mounting/wiring       vertical       Surface mounting and installation         Mounting position       vertical       Box lug         tightening torque [lbf:n] for supply       35 35 lbf:in       1x (14 2 AWG)         type of connectable conductor for supply maximum permissible       75 °C       material of the conductor for supply         material of the conductor for supply       AL or CU       Screw-type terminals       Screw-type terminals		
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       300 V         Disconnect Switch       30A / 600V         response value of switch disconnector       30A / 600V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure          degree of protection NEMA rating       1         indexing position       vertical         mounting position       vertical         fastening method       Surface mounting and installation         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 permissible       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       Screw-type terminals		5 A
according to UL         insulation voltage (Ui)         • with single-phase operation at AC rated value         • with multi-phase operation at AC rated value         300 V         Disconnect Switch         response value of switch disconnector         30A / 600V         design of fuse holder         operating class of the fuse link         Class R         Enclosure         degree of protection NEMA rating         design of the housing         indoors, usable on a general basis         Mounting/wiring         mounting position         type of electrical connection for supply voltage line-side         Box lug         tightening torque [lbf-in] for supply         twpe of connectable conductor cross-sections at line-side         at AWG cables single or multi-stranded         temperature 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	• at DC at 250 V	1A
insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V <b>Disconnect Switch</b> 300 V         response value of switch disconnector       30A / 600V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R <b>Enclosure</b> 4         degree of protection NEMA rating       1         indoors, usable on a general basis       indoors, usable on a general basis <b>Mounting/wiring</b> 9         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       35 35 lbf-in         type of connectable conductor cross-sections at line-side       1x (14 2 AWG)         at AWG cables single or mutti-stranded       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       Screw-type terminals		5A@600VAC (B600), 1A@250VDC (R300)
with multi-phase operation at AC rated value     300 V      Disconnect Switch      response value of switch disconnector     design of fuse holder     Class R fuse clips     Class R fuse clips     Class R fuse clips      degree of protection NEMA rating     degree of protection NEMA rating     degree of protection NEMA rating     design of the housing     mounting/wiring      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     temperature 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     Screw-type terminals		
with multi-phase operation at AC rated value     300 V      Disconnect Switch      response value of switch disconnector     adsgn of fuse holder     operating class of the fuse link     Class R fuse clips     class R      Enclosure      degree of protection NEMA rating     design of the housing     indoors, usable on a general basis      Mounting/wiring      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     temperature 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     Screw-type terminals		600 V
Disconnect Switch         response value of switch disconnector       30A / 600V         design of fuse holder       Class R fuse clips         operating class of the fuse link       Class R         Enclosure		
response value of switch disconnector30A / 600Vdesign of fuse holderClass R fuse clipsoperating class of the fuse linkClass REnclosuredegree of protection NEMA rating1design of the housingindoors, usable on a general basisMounting/wiringmounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side1x (14 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminals		
design of fuse holderClass R fuse clipsoperating class of the fuse linkClass REnclosuredegree of protection NEMA rating1design of the housingindoors, usable on a general basisMounting/wiringmounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side1x (14 2 AWG)at AWG cables single or multi-stranded75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminals		30A / 600V
operating class of the fuse linkClass REnclosuredegree of protection NEMA rating1design of the housingindoors, usable on a general basisMounting/wiringmounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminals		
Enclosuredegree of protection NEMA rating1design of the housingindoors, usable on a general basisMounting/wiringmounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminals		
degree of protection NEMA rating1design of the housingindoors, usable on a general basisMounting/wiringmounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply35 35 lbf·intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminals		
design of the housingindoors, usable on a general basisMounting/wiringmounting positionverticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply35 35 lbf·intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminals		1
Mounting/wiring         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       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       Screw-type terminals		
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type of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply35 35 lbf·intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminals		
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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       Screw-type terminals		
at AWG cables single or multi-stranded         temperature 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         Screw-type terminals		
permissible     AL or CU       material of the conductor for supply     AL or CU       type of electrical connection for load-side outgoing feeder     Screw-type terminals	at AWG cables single or multi-stranded	
type of electrical connection for load-side outgoing feeder Screw-type terminals	permissible	
		AL or CU
tightening torque [lbf-in] for load-side outgoing feeder 35 35 lbf-in	type of electrical connection 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 cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 1x (14 2 AWG)	cables for load-side outgoing feeder single or multi-	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	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 coil at AWG cables single or multi-stranded	2x (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	1x (12 AWG), 2x (16 14 AWG), 2x (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	2x (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)	
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=US2:17DUD82BE11 Service&Support (Manuals, Certificates, Characteristics, FAQs,)		
https://support.industry.siemens.com/cs/US/en/ps/US2:17DUD82BE11		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17DUD82BE11⟨=en		
Certificates/approvals		
https://support.industry.siemens.com/cs/US/en/ps/US2:17DUD82BE11/certificate		

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