SIEMENS

Data sheet US2:14DUC820A



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLRelay amp range 3-12a, 110 120/220 240VAC 60HZ coil, Non-combination type, Enclosure type 12, Dust/drip proof for indoors, Extra-wide enclosure

product brand name	Class 14
design of the product	Full-voltage non-reversing motor starter
special product feature	ESP200 overload relay; Dual voltage coil
General technical data	
weight [lb]	15 lb
Height x Width x Depth [in]	13 × 13 × 5 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	
• at 200/208 V rated value	2 hp
• at 220/230 V rated value	2 hp
• at 460/480 V rated value	5 hp
• at 575/600 V rated value	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 (operating cycles) of the main contacts typical	10000000
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 rated value	110 240 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA
apparent holding power of magnet coil at AC	25 VA

magnetic coll prevential cryp out voltage of magnet coll related to the input voltage OF-dealy time 19 29 ms OF-dealy time 10 24 ms OF-dealy time • overclast protection • phase failure detection • phase failure detection • phase failure detection • protection • protection • ground fault detection • search color of the color of	operating range factor control supply voltage rated value of	0.85 1.1
ON-effects trainy product function • overload protection • overload release • overload	percental drop-out voltage of magnet coil related to the input	50 %
Orantes at fally product function • overload protection • phase failure detection • sysymmetry detection • sysymmetry detection • system failure detection • system failure detection • system function • start function • start function • types • sath function • system fun		10 20 me
Poeduct function Poeduct fun	·	
product function • oreas fault detection • phase failure detection • phase failure detection • provided function • provided function • symmetry detection • symmetry detection • symmetry detection • symmetry detection • softman reset • contain reset • co		10 2 . 1 110
• vertical protection • phase failure detection • pround fault detection • ground fault detection • ground fault detection • elect function • cleaf function • cleaf function • determined from the fault of the current • cleaf function • determined from the fault of the current • determined from the fault of the current department overfoad release CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current department overfoad release product feature protective coating on printed-circuit board release repeat accuracy product feature protective coating on printed-circuit board verticul feature protective coating on printed-circ		
Polase failure detection	•	Yes
asymmetry detection	·	
• ground fault detection • external reset • yes • external reset • Yes • external reset • Yes All submatic and remote If yo class • CLASS 5 7 10 / 20 (factory set) / 30 3 12 A Separation of the current • general accuracy • product feature protective coating on printed-circuit board • yes • number of NC contacts of auxiliary contacts of overload relay • an the act BOOV • at DO at 250 V • at DO at 250 V • at DO at 250 V • will bright-phase operation at AC rated value • will single-phase operation of the enclosure design of the housing Whominophiring Whominophiring Dust tight and drip proof for indoors Whominophiring Whominophiring Dust tight and drip proof for indoors Whominophiring Separative of the conductor for supply maximum permissible Immediated the conductor for supply maximum permissible Immediated the conductor for supply maximum permissible Immediated of the conductor for load-side outgoing feeder Serve-type terminals 1x(14 - 2 AWG) 1x(14 - 2 AWG) 1x(2 AWG) 1x(3 AWG) 1x(4	·	
- least function - Ves reset function - Manual, automatic and remote reset function - Manual, automatic and remote CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overload release Urpinging time at phase-loss maximum relative repeat accuracy product feature protective coating on printed-circuit board number of NO contacts of auxiliary contacts of overload relay - expertment of auxiliary contacts of overload relay according to - out and a contact relay and a contact of auxiliary contacts of overload relay according to - out of the contact relay of auxiliary contacts of overload relay according to - out of the contact relay of auxiliary contacts of overload relay according to - out of the fourish of the contact relay according to - out of the fourish of the contact relay according to - out of the fourish of		
external reset reset function typ class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current dependent overload release tripping time at phase-loss maximum 3 s. 12 A product feature protective coating on printed-circuit board 1 % product feature protective coating on printed-circuit board 1 % number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 2 st AC at 80 00 V 2 ft AC 8000 V 3 ft DC at 250 V 3 ft DC at 250 V 5 A 3 ft DC at 250 V 5 A 3 ft DC at 250 V 5 A 4 ft DC at 250 V 5 A 4 ft DC at 250 V 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A	-	
trip class adjustable current response value current of the current- dependent overfload release tripping time at phase-loss maximum as a current of product or release tripping time at phase-loss maximum as a current or subtiliary contacts of overfload relay product feature protective coating on printed-circuit board yes number of NC contacts of auxiliary contacts of overfload relay number of NC contacts of auxiliary contacts of overfload relay number of NC contacts of auxiliary contacts of overfload relay at AC at 800 V at CA 250 V be at CA 250 V contact rating of auxiliary contacts of overfload relay according to it is shall not overfload relay according to contact rating of auxiliary contacts of overfload relay according to it is with multi-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value beging of the housing design of the housing Dust light and drip proof for indoors Nountripy proof of the nousing Nountripy proof of the nousing Nountripy proof of supply voltage line-side type of electrical connection for supply voltage line-side temperature of the conductor for supply maximum permissible responsible or fload-side outgoing feeder stightening torque [libriii] for load-side outgoing feeder stightening torque (libriii) at magnet coil for AWG cables single or multi-stranded stightening torque (libriii) at magnet coil or AWG cables single or multi-stranded stightening torque (libriii) at magnet coil or AWG cables sing		Yes
adjustable current response value current of the current-dependent or value dependent or valued release stripping time at phase-loss maximum releative repeat accuracy releative repeat accuracy product feature protective coating on printed-circuit board yes number of NC contacts of auxiliary contacts of overfoad relay at AC at 800 V at C at 800 V at C at 800 V contact rating of auxiliary contacts of overfoad relay at AC at 800 V contact rating of auxiliary contacts of overfoad relay at AC at 800 V contact rating of auxiliary contacts of overfoad relay according to UL insulation voltage (U) with multi-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value Extra-wide design of the housing design of the housing design of the housing Mountine philosism Mountine philos	reset function	Manual, automatic and remote
dependent overload release tripping time at phase-loss maximum relative repeat accuracy product feature protective coating on printed-circuit board yes number of No contacts of auxiliary contacts of overload relay number of No contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay at DC at 250 V at DC at 250 V become at DC at 250 V contact rating of auxiliary contacts of overload relay according to U. with single-phase operation at AC rated value with multi-phase operation at AC rated value contact rating of auxiliary contacts of overload relay according to U. with single-phase operation at AC rated value contact rating of auxiliary contacts degree of protection NEMA rating of the enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Wounting/wring wounting position Vertical fastening method Surface mounting and installation Sype of electrical connection for supply voltage line-side signtening torque [bfr-in] for load-side outgoing feeder maximum permissible material of the conductor for sos-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor for auxiliary contacts signtening torque [bfr-in] at magnet coil maximum permissible signtening torque [bfr-in] at magnet coil maximum permissible signtening to	trip class	CLASS 5 / 10 / 20 (factory set) / 30
relative repeat accuracy product feature protective coating on printed-circuit board yes number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay at DC at 250 V at DC at 250 V b at DC at 250 V contact rating of auxiliary contacts of overload relay according to U. Insulation voltage (UI) with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value Extra-wide degree of protection NEMA rating of the enclosure design of the housing design of the housing Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Mounting-withing mounting position Surface mounting and installation type of electrical connection for supply voltage line-side signteening torque [Df-in] for supply yes of electrical connection for supply waximum permissible material of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder AWG cables single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor or amager coil maximum permissible material of the conductor or amager coil maximum permissible material of the conductor or amager coil maximum permissible material of the conductor at magnet coil vpe of electrical connection for auxiliary contacts tightening torque [bf-in] for contactor for auxiliary contacts fig	,	3 12 A
product feature protective coating on printed-circuit board 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 1 AC at 600 V 1 AC at 600 V 1 AC at 250 V 1 A 1 A 1 A 1 A 2 Me800VAC (B600), 1A@250VDC (R300) 1 A 2 Me800VAC (B600),	tripping time at phase-loss maximum	3 s
number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay at AC at 600 V at DC at 250 V b at DC at 250 V contact rating of auxiliary contacts of overload relay according to UL swith single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value design of the housing design of the housing design of the housing Dust tight and drip proof for indoors Mounting-wiring mounting position disatening method Surface mounting and installation Sate ing method Surface mounting and installation Special design of the conductor for supply voltage line-side tightening torque [lbf in] for supply Special or supply Special or supply Special of the conductor for supply maximum permissible material of the conductor for supply maximum permissible temperature of the conductor for load-side outgoing feeder Special or discondition of the conductor for load-side outgoing feeder Special or discondition of the conductor for load-side outgoing feeder Special or discondition of the conductor for load-side outgoing feeder Special or discondition of the conductor for load-side outgoing feeder Special or discondition of the conductor for load-side outgoing feeder Special or discondition of the conductor for load-side outgoing feeder Special or one-ctable conductor for load-side outgoing feeder Special or	relative repeat accuracy	1 %
number of NO contacts of auxiliary contacts of overload relay e at AC at 600 V e at DC at 250 V 5A at DC at 250 V 5A contact rating of auxiliary contacts of overload relay according to UL insulation voltage (UI) e with single-phase operation at AC rated value e with multi-phase operation at AC rated value with multi-phase operation at AC rated value e with multi-phase operation at AC rated value gere of protection NEMA rating of the enclosure design of the housing degree of protection NEMA rating of the enclosure Extra-wide Regree of protection NEMA rating of the enclosure elasting method type of electrical connection for supply voltage line-side type of electrical connection for supply voltage line-side for 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 connectable conductor for load-side outgoing feeder stightening torque [librin] for load-side outgoing feeder type of electrical connectable conductor for load-side outgoing feeder stightening torque [librin] to road-side outgoing feeder stightening torque [librin] to road-side outgoing feeder stightening torque [librin] to road-side outgoing feeder stightening torque [librin] are magnet coil stype of electrical connection of magnet coil stype of electrical connection of magnet coil stype of connectable conductor rose-sections of magnet coil stype of electrical connection of magnet coil stype of electrical connection of magnet coil stype of connectable conductor rose-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor of to advisite outgoing feeder stype of connectable conductor of to auxiliary contacts stype of connectable conductor of the conductor of the conductor o	product feature protective coating on printed-circuit board	Yes
e at AC at 600 V a TD Cal 250 V 5 A contact rating of auxiliary contacts of overload relay according to 14 AC at 600 V with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value Enclosuro design of the housing degree of protection NEMA rating of the enclosure design of the housing Dust tight and drip proof for indoors Mounting/wiring mounting position fastening method Surface mounting and installation Sype of electrical connection for supply voltage line-side Surface mounting and installation Strew-type terminals gibtening torque [bit-in] for supply type of connectable conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply maximum permissible rightening torque [bit-in] for load-side outgoing feeder stype of connectable conductor cross-sections of NMC cables of load-side outgoing feeder stype of electrical connection for load-side outgoing feeder stype of electrical connection for load-side outgoing feeder stype of connectable conductor for supply AL or CU type of electrical connection for load-side outgoing feeder stype of connectable conductor for supply AL or CU type of electrical connection for load-side outgoing feeder stype of connectable conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder splane in the conductor for load-side outgoing feeder splane in the conductor of magnet coil splening torque [bit-in] at name toil splane in the conductor of magnet coil splane in the conductor at magnet coil splane in the conductor at magnet coil maximum permissible splane in the conductor at magnet coil maximum permissible splane in the conductor at magnet coil	number of NC contacts of auxiliary contacts of overload relay	1
at AC at 600 V at DC at 250 V becomes the first process of the found of auxiliary contacts of overload relay according to UL insulation voltage (UI) with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value Enclosure design of the housing degree of protection NEMA rating of the enclosure design of the housing Wounting/wiring mounting position Vertical distingt and drip proof for indoors Wounting/wiring mounting position Vertical Screw-type terminals dightening torque [lbf-in] for supply voltage line-side dightening torque [lbf-in] for supply ype of electrical connection for supply maximum permissible material of the conductor for supply ype of electrical connection for load-side outgoing feeder signerature of the conductor for supply ype of one-ctable conductor cross-sections at line-side for AWG cables in a single or multi-stranded temperature of the conductor for load-side outgoing feeder pipe of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder sorted the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder sorted the conductor for load-side outgoing feeder sorted the conductor for load-s	number of NO contacts of auxiliary contacts of overload relay	1
• at DC at 250 V contact rating of auxiliary contacts of overload relay according to UL insulation voltage (UI) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • one of protection NEMA rating of the enclosure design of the housing design of the housing • worth multi-phase operation at AC rated value • Extra-wide degree of protection NEMA rating of the enclosure design of the housing • worthing/wiring mounting position fastening method Surface mounting and installation Sype of electrical connection for supply voltage line-side tightening torque [Ibf-in] for supply ype of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply AL or CU ype of electrical connection for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conduc	operational current of auxiliary contacts of overload relay	
contact rating of auxiliary contacts of overload relay according to UL insulation voltage (UI) • with single-phase operation at AC rated value • 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 design of the housing Extra-wide design of the housing design of the housing Mounting viring mounting position fastening method type of electrical connection for supply voltage line-side sughtening torque (IbFin) for supply voltage line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of connectable conductor or cross-sections of rAWG cables for load-side outgoing feeder sughtening torque (IbFin) for load-side outgoing feeder material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder supper of connectable conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder supper of connectable conductor for load-side outgoing feeder subject of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder screw-type terminals tightening torque [IbFin] at magne	• at AC at 600 V	5 A
UL insulation voltage (UI) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value 300 V	● at DC at 250 V	1 A
with single-phase operation at AC rated value with multi-phase operation at AC rated value as over the with multi-phase operation at AC rated value besign of the housing degree of protection NEMA rating of the enclosure design of the housing Dust tight and drip proof for indoors wounting position fastening method type of electrical connection for supply voltage line-side tightening torque [bf-in] for supply you connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder flype of electrical connection for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder flype of connectable conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder flype of connectable conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder flype of electrical connectable conductor cross-sections of magnet coil flype of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at single or multi-stranded temperature of the conductor at single or multi-stranded temperature of the conductor at single or multi-stranded temperature of the conductor at the conductor or auxiliary contacts flype of connectable conductor at single or multi-stranded temperature of the conductor at contactor for auxiliary contacts flype of connecta		5A@600VAC (B600), 1A@250VDC (R300)
with multi-phase operation at AC rated value design of the housing		
design of the housing		
design of the housing	with multi-phase operation at AC rated value	300 V
degree of protection NEMA rating of the enclosure design of the housing Dust tight and drip proof for indoors	Fredering	
Dust tight and drip proof for indoors		
mounting position fastening method Uppe of electrical connection for supply voltage line-side Screw-type terminals tightening torque [lbf-in] for supply 35 35 lbf-in 1x(14 - 2 AWG) AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible tightening torque [lbf-in] for load-side outgoing feeder stor ladder single or multi-stranded temperature of the conductor for supply AL or CU type of electrical connection for load-side outgoing feeder stor load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder stor load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil maximum permissible To °C LU Sype of electrical connection for auxiliary contacts screw-type terminals tightening torque [lbf-in] at contactor for auxiliary contacts screw-type terminals tightening torque [lbf-in] at contactor for auxiliary contacts screw-type terminals tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts tremperature of the conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts	design of the housing	
mounting position fastening method Surface mounting and installation type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 35 35 lbf-in type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible tightening torque [lbf-in] for load-side outgoing feeder type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder AL or CU type of electrical connection of magnet coil type of connectable 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 type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible conductor at contactor for auxiliary contacts type of connectable condu	design of the housing degree of protection NEMA rating of the enclosure	Extra-wide NEMA Type 12
fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 35 35 lbf-in type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder store advise outgoing feeder side outgoing feeder temperature of the conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor 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 electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary co	design of the housing degree of protection NEMA rating of the enclosure design of the housing	Extra-wide NEMA Type 12
type of electrical connection for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible tightening torque [lbf-in] for load-side outgoing feeder type of electrical connection for load-side outgoing feeder type of connectable conductor for supply AL or CU type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cup of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary con	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors
tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor for supply type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder aximum permissible material of the conductor 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 electrical connection of magnet coil type of connectable conductor rorss-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible tightening torque [libf·in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the 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 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 cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts type of connectable conductor at contactor for auxiliary contacts 75 °C	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation
temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the 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 cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cut type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts to type of connectable conductor at contactor for auxiliary contacts to type of connectable conductor at contactor for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts to the conductor for sup	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals
material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the 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 cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor cross-sections of magnet coil for AWG cables conductor at magnet coil for AWG cables conductor at magnet coil maximum permissible material of the conductor at magnet coil for AWG cables or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible 10 U 15 lbf-in 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in
tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the 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 cross-sections of magnet coil type of connectable conductor cross-sections of magnet coil temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts to type of electrical connection for auxiliary contacts to type of electrical connection for auxiliary contacts to type of electrical connection for auxiliary contacts to type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts to contact of the conductor at contact of the conductor at contact or for auxiliary contacts to contact of the conductor at contact or for auxiliary contacts to contact of the conductor at contact or for auxiliary contacts to contact of the conductor at contact or for auxiliary contacts to contact of the conductor at contact or for auxiliary contacts to contact or for auxiliary	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG)
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the 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 cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection of magnet coil for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts to understand of the conductor at magnet coil type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts to understand of the conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf·in 1x(14 - 2 AWG) 75 °C
for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C To C T	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals
type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C 1 x (12 AWG) 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) Type of connectable conductor at contactor for auxiliary contacts 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf·in
tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C CU screw-type terminals 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf·in 1x(14 - 2 AWG)
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C 2 x (16 - 12 AWG) 2 x (16 - 12 AWG) 3 crew-type terminals 10 15 lbf-in 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75 °C	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf·in 1x(14 - 2 AWG)
AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C CU type of electrical connection for auxiliary contacts 10 15 lbf-in 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75 °C	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals
permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts screw-type terminals tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 12 lbf-in
type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG)
tightening torque [lbf-in] at contactor for auxiliary contacts 10 15 lbf-in type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG)
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 75 °C	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 5 35 lbf-in 2 x (16 - 12 AWG) 75 °C CU
temperature of the conductor at contactor for auxiliary contacts 75 °C	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 31 lbf-in 2 x (16 - 12 AWG) 75 °C CU Screw-type terminals
maximum permissible	design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for	Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 32 lbf-in 2 x (16 - 12 AWG) 75 °C CU screw-type terminals 10 15 lbf-in

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 for 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
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	14 kA
• at 480 V	10 kA
• at 600 V	10 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14DUC820A

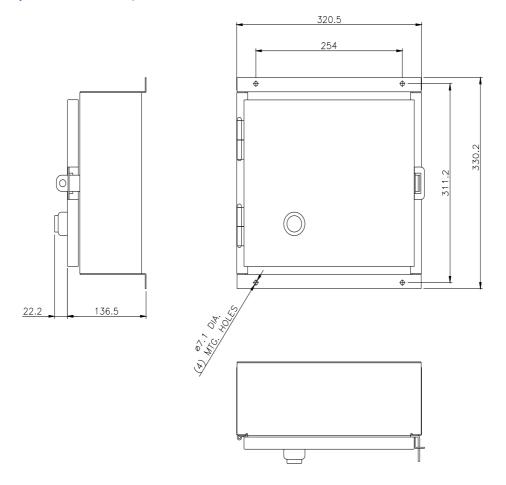
 $Service \& Support \ (Manuals, Certificates, Characteristics, FAQs, ...)$

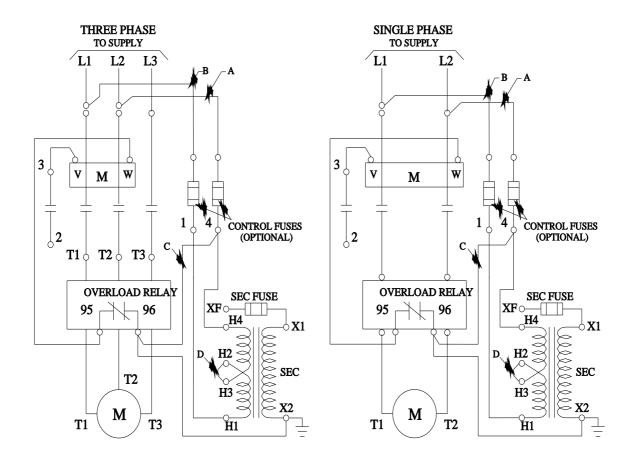
https://support.industry.siemens.com/cs/US/en/ps/US2:14DUC820A

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14DUC820A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14DUC820A/certificate





last modified: 11/29/2021 🖸