SIEMENS

Data sheet US2:14CUC12AA



Non-reversing motor starter Size 0 Single phase full voltage Solid-state overload relay OLRelay amp range 3-12A 110-120/220-240VAC 60HZ coil Combination type No 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]	3 lb
Height x Width x Depth [in]	7.44 × 5.75 × 3.75 in
touch protection against electrical shock	Not finger-safe
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
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	Mexico
Horsepower ratings	
yielded mechanical performance [hp] for single-phase AC motor	
 at 115 V rated value 	0.25 hp
at 200/208 V rated value	0.5 hp
 at 220/230 V rated value 	0.5 hp
Contactor	
size of contactor	NEMA controller size 0
number of NO contacts for main contacts	2
operating voltage for main current circuit at AC at 60 Hz maximum	240 V
operational current at AC at 600 V rated value	18 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
operating range factor control supply voltage rated value of	0.85 1.1

Inageneral aid post violage of magnet coll related to the input violage presental aid post violage of magnet coll related to the input violage of magnet coll related to the input violage of magnetic of related to the input violage of the collection of the collecti	magnet coil	
Voltage in the CDF-delay time 19_28 ms 10_24 ms	magnet coil	EO 9/
ON-effecting rine 19. 28 ms Orestoate fieldly interest of traction Fig. 6 case grine 7 yes - overload protection 9 yes - a symmetry detection 9 yes - a		OU 76
OFF-defay threy product function • overload profestion • overloa		19 29 ms
product function	•	
product function • overload protection • phase failure detection • phase failure detection • payment y detection • a symmetry detection • se start function • e start function • e start function • e start areset • No CLASS 57 10 2.00 (factory set) 7.30 adjustable current response value current of the current- opporation of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the start of the current- opporation of the start of the current- opporation of the start of the start of the current- opporation of the start of the current- opporation of the start of the current- opporation of the start of the start of the current- opporation of the st		
• verticad protection • provided protection • pround fault detection • asymmetry detection • cost function • clost function • c		
* asymmetry detection * a ground fault detection * ground fault detection * external reset * No * external reset * No * reset function * External reset * No * CLASS 5 / 10 / 20 (factory set) / 30 * adjustable current response value current of the current- dependent overfoad release * Urping time at phase-loss maximum * releave repert accuracy * 1 % product feature protective coating on printed-circuit board number of NC contracts of auxiliary contacts of overfoad relay * all DC ail 250 V * all DC ail 250 V * all DC ail 250 V * with airsigle phase operation at AC rated value * with multi-phase operation at AC rated value * with airon multi-phase operation at AC rated value * with multi-phase operation at AC rated val	•	Yes
* asymmetry detection * ground faut detection * clear function * clear function * clear function * colorinal reset * No * contenal reset * No * contenal reset * CLASS 5 / 10 / 20 (factory set) / 30 * adjustable current response value current of the current-dependent overfoad release * dependent overfoad release * dependent overfoad release * dependent overfoad release * dependent overfoad release * release repeat accuracy * product feature protective cooling on printed-circuit board * release repeat accuracy * product feature protective cooling on printed-circuit board * release	1	
• ground fault detection • lest function • external reset • contend reset • c	•	
estat function external reset extern		
e external reset reset function Manual, automatic and remote tinp class adjustable current response value current of the current- dependent overfoad release thipping time at phase-loss maximum relative repeat accuracy product feature protective coating on printed-circuit board relative repeat accuracy product feature protective coating on printed-circuit board relative repeat accuracy product feature protective coating on printed-circuit board relative repeat accuracy relative repeat accuracy product feature protective coating on printed-circuit board relative repeat accuracy relative		
reset function the plass CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current-dependent overload release through the plant of the current of the current open dent overload release through the plant of the current of the current open dent overload release through the plant of the current of auxiliary contacts of overload relay 1 number of NC contacts of auxiliary contacts of overload relay 2 operational current of auxiliary contacts of overload relay 3 operational current of auxiliary contacts of overload relay 4 on the current of auxiliary contacts of overload relay 3 operational current of auxiliary contacts of overload relay 3 operation at AC at Cated value 4 on the single-phase operation at AC rated value 5 on the single-phase operation at AC rated value 5 on the total phase operation 5 on the total phase operation 5 on the total		
adjustable current response value current of the current- dependent overfloar release tripping time at phase-loss maximum 3 s tripping time at phase-loss maximum 3 s relative repeat accuracy product feature protective coating on printed-circuit board yes number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay number of NC at 800 V • at DC at 250 V • at DC at 250 V • at DC at 250 V • with contacts of auxiliary contacts of overload relay according to UL • with single-phase operation at AC rated value • with single-phase operation at AC rated value • with single-phase operation at AC rated value • with multi-phase operation of a Contact rating of auxiliary contacts ### Contact rating of		
diplasable current response value current of the current-dependent overload release tripping time at phase-loss maximum 3 s reletive repeat accuracy reported feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 current of auxiliary contacts of overload relay 1 current of auxiliary contacts of overload relay 1 at AC at 600 V 1 AC 250 V 1 A 1 AC 250 V 1 A 1 A Contact rating of auxiliary contacts of overload relay according to U. Insulation voltage (U) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • with response of the conductor of the operation at AC rated value		
dependent overload release tripping time at phase-loss maximum relative repeal accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay • at AC at 800 V • at BC at 250 V • at BC at 250 V • with DC at 250 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 • with multi-phase operation of AC rated value • with multi-phase operation of a very contacts of overload relay according to UL **Insulation vottage (U) • with single-phase operation at AC rated value • with multi-phase operation of AC rated value • with multi-phase operation of AC rated value **Open device (no enclosure) design of the housing **NA* **Mounting/wiring **mounting position fastering method type of electrical connection for supply voltage line-side tightening torque (Ibril in for supply **Device of electrical connection for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply maximum permissible themperature of the conductor for load-side outgoing feeder **Nye of connectable conductor rose sections for MVG cables for load-side outgoing feeder **Nye of connectable conductor for load-side outgoing feeder **National permissible **Title 1- 2 AWG) **Lor CU **Lor Cunder of the conductor of road-side outgoing feeder **Proper terminals **Lor Cunder of the conductor of road-side outgoing feeder **Proper terminals **Lor Cunder of the conductor of magnet coil **Lor Cunder of the conductor of maximum **Proper terminals **Lor Cunder of the		
relative repeat accuracy product feature protective coating on printed-circuit board yes number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay at AC at 600 V at DC at 250 V between the contact of auxiliary contacts of overload relay at DC at 250 V between the contact of auxiliary contacts of overload relay at DC at 250 V between the contact of auxiliary contacts of overload relay according to UL between the contact rating of auxiliary contacts of overload relay according to UL between the contact rating of auxiliary contacts of overload relay according to UL between the contact of auxiliary contacts of overload relay according to UL between the contact of auxiliary contacts of overload relay according to UL between the contact of auxiliary contacts of overload relay according to UL between the contact of auxiliary contacts to do V between the contact of auxiliary contacts to do V between the contact of auxiliary contacts to do V between the contact of auxiliary contacts to do V between the contact of auxiliary contacts to do V between the contact of auxiliary contacts to do V between the contact of auxiliary contacts to do V between the contact of auxiliary contacts to do V between the contact of auxiliary contacts to do V between the contact of auxiliary contacts to do V between the contact of auxiliary contacts to do Contact of the conductor of auxiliary contacts to do Contact of the conductor of auxiliary contacts to product of the conductor at contactor for auxiliary contacts to product of the conductor at contactor for auxiliary contacts to product at contactor of auxiliary contacts to product at contactor to contactor of auxiliary contacts to product at contactor of auxiliary contact	,	
product feature protective coating on printed-circuit board 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 of A 1 AC at 600 V 5 A of CC at 250 V 1A contact rating of auxiliary contacts of overload relay according to U. insulation voltage (Ui) owth single-phase operation at AC rated value 600 V owth single-phase operation at AC rated value 300 V exception degree of protection NEMA rating of the enclosure Open device (no enclosure) degree of protection NEMA rating of the enclosure NA mounting/wifing mounting position fastening method Surface mounting and installation Surface with present and surface and installation Surface with present and installation Surfac	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 et at AC at 600 V at AC at 600 V 5 A contact rating of auxiliary contacts of overload relay et at AC at 500 V 5 A contact rating of auxiliary contacts of overload relay according to UL evith single-phase operation at AC rated value evith multi-phase operation at AC rated value 800 V evith multi-phase operation at AC rated value 800 V evith multi-phase operation at AC rated value 800 V evith multi-phase operation at AC rated value 800 V evith multi-phase operation at AC rated value 800 V evith multi-phase operation at AC rated value 800 V evith multi-phase operation at AC rated value 800 V evith multi-phase operation at AC rated value 800 V expected protection NEMA rating of the enclosure 90 Open device (no enclosure) 90 design of the housing 80 NA Mounting-Wirting 81 Vertical 82 Surface mounting and installation 91 Vertical 92 Surface mounting and installation 92 Vertical 92 Surface mounting and installation 93 Vertical 94 Surface mounting and installation 94 Vertical 95 Vertical 95 Vertical 96 Surface mounting and installation 95 Vertical 96 Vertical 96 Vertical 96 Vertical 97 Surface mounting and installation 96 Vertical 97 Surface mounting and installation 97 Vertical 98 Vertical	relative repeat accuracy	1 %
number of NO contacts of auxiliary contacts of overload relay e at AC at 500 V e at DC at 250 V 1A 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 e segree of protection NEMA rating of the enclosure design of the housing NA Mounting/witing mounting position Vertical fastening method speed of electrical connection for supply voltage line-side tightening foruge [bfr-ii] for supply 20 20 lbfri type of electrical connection for supply maximum permissible material of the conductor for supply maximum permissible stripped on onectable conductor cross-sections for AWG cables single or multi-stranded temperature of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder stripped on onectable conductor cross-sections for AWG cables for load-side outgoing feeder size and outgoing feeder stripped on onectable conductor for load-side outgoing feeder stripped on onectable conductor for load-side outgoing feeder stripped of connectable conductor for load-side outgoing feeder stripped load side outgoing feeder solution of magnet coil stripped load side outgoing feeder solution of magnet coil for AWG cables for auxiliary contacts signified from the s	product feature protective coating on printed-circuit board	Yes
e at AC at 600 V e at DC at 250 V contact rating of auxiliary contacts of overload relay at AC at 600 V 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 e with multi-phase operation at AC rated value 800 V entring with multi-phase operation at AC rated	number of NC contacts of auxiliary contacts of overload relay	1
• at AC at 600 V • at DC at 250 V • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • Surface monthing and installation • Vertical • Surface monthing and installation • Vert	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 U.I 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 • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 800 V • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 800 Volentical connection for lack-side outgoing feeder 900 violetical connection for lack-side outgoing feeder 900 violetical connection of magnet coil 900 violetical connection of magnet coil	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 ### AC	• at AC at 600 V	5 A
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 **Tenclosuro** 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 stightening torque [Ibf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded material of the conductor for load-side outgoing feeder stightening torque [Ibf-in] for load-side outgoing feeder material of the conductor for load-side outgoing feeder themperature of the conductor for load-side outgoing feeder stightening torque [Ibf-in] or load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connectable conductor or cross-sections for AWG cables type of electrical connectable conductor or supply AL or CU type of electrical connectable conductor or supply AL or CU type of electrical connectable conductor for load-side outgoing feeder anterial of the conductor for load-side outgoing feeder water and the conductor for load-side outgoing feeder AL or CU type of electrical connectable conductor cross-sections of magnet coil tightening torque [Ibf-in] at magnet coil screw-type terminals tightening torque [Ibf-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 aximum permissible material of the conductor or at magnet coil aximum permissible material of the conductor at magnet coil aximum permissible material of the conductor at magnet coil aximum permissible material of the conductor at magnet coil aximum permissible material of the conductor at magnet coil aximum permissible material of the conductor at magnet coil aximum permissible material of the conductor at magnet coil aximum permissible mate	• at DC at 250 V	1 A
with single-phase operation at AC rated value with multi-phase operation at AC rated value 300 V Commonstructure Common		5A@600VAC (B600), 1A@250VDC (R300)
e with multi-phase operation at AC rated value Brocosure 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 ype of connectable conductor cross-sections at line-side for AWG cables for load-side outgoing feeder type of electrical connection for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder stophen material of the conductor cross-sections at line-side for AWG cables single or multi-stranded tuppe of connectable conductor for supply maximum permissible material of the conductor for load-side outgoing feeder stophen maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor cross-sections of magnet coil for 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 type of connectable conductor or load-side outgoing feeder tightening torque [lbf-in] at magnet coil ype of connectable conductor or 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 for connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil or auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts trype of electrical connection for auxiliary contacts trype of encetable conductor at contactor for auxiliary contacts trype of encetable conductor at contactor for auxiliary contacts fightening torque [lbf-in] at contactor for auxiliary contacts from the conductor at contactor for auxiliary co	insulation voltage (Ui)	
degree of protection NEMA rating of the enclosure design of the housing MA Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque (libf-in) for supply 20 20 libf-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 load-side outgoing feeder 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 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 of magnet coil type of electrical connection of magnet coil type of electrical connection for auxiliary contacts transpect of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts the conductor at magnet coil type of electrical connection for auxiliary contacts the conductor at magnet coil auxiliary contacts the conductor at contactor for auxiliary contacts and material of the conductor at contactor f	 with single-phase operation at AC rated value 	600 V
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 [lib*in] for supply type of connectable conductor for supply maximum permissible type of connectable 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 load-side outgoing feeder material of the conductor for load-side outgoing feeder type of electrical connectable conductor for supply where the conductor for supply maximum permissible material of the conductor for supply 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 or load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor at magnet coil type of connectable 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 maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor cross-sections at contactor for AWG cables 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 cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts fightening torque [lib* in] at conductor at contactor for auxili	 with multi-phase operation at AC rated value 	300 V
Mounting/wiring mounting position featening method Surface mounting and installation type of electrical connection for supply voltage line-side Screw-type terminals tightening torque [lbf·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 maximum permissible material of the conductor for supply maximum permissible temperature of the conductor for supply maximum permissible material 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 electrical 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 screw-type terminals tightening torque [lbf·in] at 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 of auxiliary contacts sightening torque [lbf·in] at contactor for auxiliary contacts stightening torque [lbf·in] at contactor for auxiliary contacts subject of auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts saximum permissible	Enclosure	
mounting position fastening method Surface mounting and installation Stype of electrical connection for supply voltage line-side Stightening torque [lbf-in] for supply 20 20 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 gripped for electrical connection for load-side outgoing feeder stightening torque [lbf-in] for load-side outgoing feeder Screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder Screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder Screw-type terminals train to conductor for supply AL or CU 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 screw-type terminals tightening torque [lbf-in] at magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil screw-type terminals Ts °C Libf-in 2 x (16 - 12 AWG) 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 for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts train at contactor for auxiliary contacts to screw-type terminals 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible	degree of protection NEMA rating of the enclosure	Open device (no enclosure)
mounting position fastening method fastening method Surface mounting and installation \$\frac{1}{x}(4 - 2 AWG)\$ AL or CU Supe of connectable conductor for load-side outgoing feeder AL or CU Surface and Surface and Surface Surface and Surface and Surface Surface and	design of the housing	NA
fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 20 20 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 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 type of electrical connection of magnet coil type of electrical connection of magnet coil for load-side outgoing feeder screw-type terminals tightening torque [lbf-in] 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 maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor for auxiliary contacts type of connectable conductor for auxiliary contacts type of connectable conductor for auxiliary contacts 10 15 lbf-in 1x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) AWG cables single or multi-stranded temperature of the conductor at contactor for auxiliary contacts 1x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)		
type of electrical connection for supply voltage line-side tightening torque [lbf-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 maximum permissible material of the conductor for supply maximum permissible ype 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 temperature of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder maximum permissible 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 for auxiliary contacts type of electrical connection for auxiliary contacts type of connectable conductor or auxiliary contacts type of connectable conductor for auxiliary contacts type of connectable conductor for auxiliary contacts type of connectable conductor or auxiliary contacts type of connectable conductor or auxiliary contacts type of connectable conductor or auxiliary contacts for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts for auxiliary contacts single or multi-stran	Mounting/wiring	
tightening torque [lbf-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 maximum permissible material of the conductor for supply AL or CU type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder ype 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 ype of electrical connection of magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil ype 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 cultivation of the conductor of maximum contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of electrical connection 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 screw-type terminals tightening torque [lbf-in] at contactor for auxiliary contacts for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts for auxiliary contacts single or multi-stranded temperature of the condu		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 75 °C material of the conductor for supply MAL or CU type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder 20 20 lbf-in type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder maximum permissible 75 °C maximum 75 °C max	mounting position	
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 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 Type of connectable conductor for load-side outgoing feeder maximum permissible 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 of load-side outgoing feeder maximum permissible 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 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 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 maximum permissible Type of connectable conductor at contactor for auxiliary contacts maximum permissible Type of connectable conductor at contactor for auxiliary contacts maximum permissible Type of connectable conductor at contactor for auxiliary contacts maximum permissible Type of connectable conductor at contactor for auxiliary contacts maximum permissible Type of connectable conductor at contactor for auxiliary contacts maximum permissible Type of the conductor at contactor for auxiliary contacts Type 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 cont	mounting position fastening method	Surface mounting and installation
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 screw-type terminals tightening torque [lbf-in] at magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil screw-type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil screw-type terminals T5 °C CU 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 at contactor for auxiliary contacts material of the conductor at contactor for auxiliary contacts for conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible	mounting position fastening method type of electrical connection for supply voltage line-side	Surface mounting and installation Screw-type terminals
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder 20 20 lbf-in 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 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 at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible	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	Surface mounting and installation Screw-type terminals 20 20 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 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 to the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of connectable conductor for auxiliary contacts to the conductor of auxiliary contacts auxiliary contacts of auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible	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	Surface mounting and installation Screw-type terminals 20 20 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 cut ype 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 the conductor at magnet coil connectable conductor at magnet coil contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts to the conductor at conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts CU Tx (12 AWG) 1x(14 - 2 AWG) 75 °C 2x (16 - 12 AWG) 2x (16 - 12 AWG) 2x (16 - 12 AWG) 1x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 2x (16 - 14 AWG), 2 x (18 - 16 AWG) 2x (16 - 14 AWG), 2 x (18 - 16 AWG) 2x (16 - 14 AWG), 2 x (18 - 16 AWG)	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C
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 maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of connectable 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 maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts material of the conductor at contactor for auxiliary contacts CU CU To °C	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU
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 for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts to u. 15 lbf-in type of connectable conductor at magnet coil type of connectable conductor at magnet coil type of connectable conductor at magnet coil type of connectable conductor 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 maximum permissible material of the conductor at contactor for auxiliary contacts maximum permissible To CU Type of connectable conductor at contactor for auxiliary contacts maximum permissible Type of connectable conductor at contactor for auxiliary contacts maximum permissible 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 auxi	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals
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 type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor ross-sections of magnet coil type of connectable conductor at magnet coil type of connectable conductor 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 maximum permissible material of the conductor at contactor for auxiliary contacts CU CU 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75 °C CU CU CU Type of connectable conductor at contactor for auxiliary contacts maximum permissible CU CU CU CU CU CU CU CU CU C	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in
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 maximum permissible material of the conductor at contactor for auxiliary contacts CU screw-type terminals CU type of connectable conductor for auxiliary contacts 10 15 lbf-in 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75 °C 75 °C CU CU CU 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 CU CU CU CU CU Type of connectable conductor cross-sections at contactor for auxiliary contacts Type of connectable conductor at contactor for auxiliary contacts CU CU CU CU CU CU CU CU CU C	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG)
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 temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts CU 5 12 lbf-in 2 x (16 - 12 AWG) CU CU Screw-type terminals 10 15 lbf-in 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75 °C 75 °C CU CU CU CU CU CU CU CU CU	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C
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 maximum permissible material of the conductor at contactor for auxiliary contacts CU 2 x (16 - 12 AWG) CU CU 10 15 lbf-in 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75 °C 75 °C CU CU CU CU CU Type of connectable conductor cross-sections at contactor for auxiliary contacts Type of connectable conductor at contactor for auxiliary contacts CU CU CU CU CU CU CU CU CU C	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU
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 maximum permissible material of the conductor at contactor for auxiliary contacts CU 75 °C 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75 °C 75 °C	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals
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 maximum permissible material of the conductor at contactor for auxiliary contacts CU CU CU 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75 °C CU CU	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 21 lbf-in
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 maximum permissible material of the conductor at contactor for auxiliary contacts 10 15 lbf-in 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75 °C CU	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 20 21 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 maximum permissible material of the conductor at contactor for auxiliary contacts CU	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG)
AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts CU	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 20 21 lbf-in 2 x (16 - 12 AWG) 75 °C CU
temperature of the conductor at contactor for auxiliary contacts maximum permissible material of the conductor at contactor for auxiliary contacts CU	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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 21 lbf-in 2 x (16 - 12 AWG) 75 °C CU screw-type terminals
material of the conductor at contactor for auxiliary contacts	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 material of the conductor at magnet coil maximum permissible 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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 21 lbf-in 2 x (16 - 12 AWG) 75 °C CU Screw-type terminals 10 15 lbf-in
·	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 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	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG) 75 °C CU screw-type terminals 10 15 lbf-in 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)
	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 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 maximum permissible	Surface mounting and installation Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG) 75 °C CU screw-type terminals 10 15 lbf-in 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75 °C

contacts	
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,...)

Industry Mall (Online ordering system)

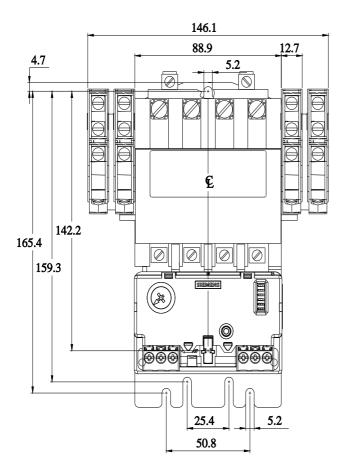
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14CUC12AA

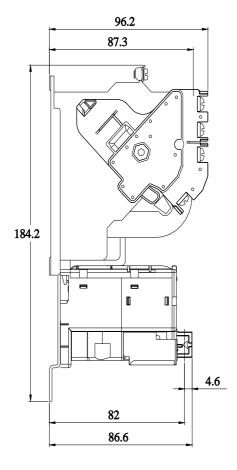
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14CUC12AA

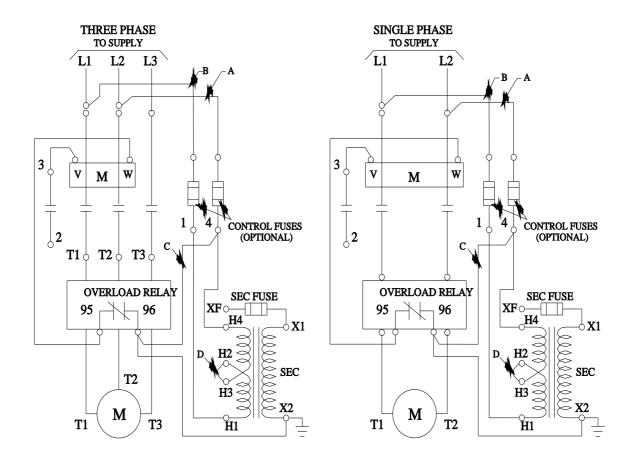
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14CUC12AA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14CUC12AA/certificate







last modified: 11/29/2021 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: 14CUC12AA