SIEMENS

Data sheet US2:14DUB12FF



Non-reversing motor starter, Size 1, Single phase full voltage, Solid-state overload relay, OLR amp range 0.75-3.4A, 110V 50Hz / 120V 60Hz coil, Non-combination type, Enclosure type 4X fiberglass, Water/dust tight noncorrosive, Standard width enclosure

product brand name	Class 14
design of the product	Full-voltage non-reversing motor starter
special product feature	ESP200 overload relay
General technical data	
weight [lb]	14 lb
Height x Width x Depth [in]	15 × 12 × 7 in
touch protection against electrical shock	(NA for enclosed products)
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
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 single-phase AC motor	
• at 115 V rated value	0.125 hp
 at 200/208 V rated value 	0.25 hp
 at 220/230 V rated value 	0.25 hp
Contactor	
size of contactor	NEMA controller size 1
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	27 A
mechanical service life (switching 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 50 Hz rated value 	110 V

nolding power at AC minimum apparent plotk-up power of magnet coil at AC apparent plotk up power of magnet coil at AC apparent plotk up power of magnet coil at AC apparent plotk up power of magnet coil at AC apparent plotk up power of magnet coil at AC apparent plotk up power of magnet coil at AC apparent plotk up power of magnet coil at AC apparent plotk up power of magnet coil related to the input voltage because the plot of the plot apparent ploth a	at AC at 60 Hz rated value	120 V
apparent pick-up power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil related to the operating range factor control supply vottage rated value of magnet coil percental drop-out voltage of magnet coil related to the input voltage ON-delay time OF-delay time OF-delay time Overload relay Product function • overload protection • phase failure detection • asymmetry detection • casymmetry detection • ca		
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil magnet coil percental drop-out voltage of magnet coil related to the input voltage ON-d-delay time 10 24 ms OVerload rolay product function • overload protection • phase fallure detection • phase fallure detection • phase fallure detection • ground fault detection • sysymmetry detection • percental reset • external reset reset function • external reset reset function func		
operating range factor control supply voltage rated value of magnet coil percental drop-out voltage of magnet coil related to the input voltage of Magnet coil related to the coil related to the input voltage of Magnet coil related to the coil related to the input voltage of Magnet coil related to the coil related to the input voltage of Magnet coil related to the coil related to the input voltage of Magnet coil related to the coil related to the input voltage of Magnet coil related to the coil related to the input voltage of Magnetic Related Voltage Related Related Notated Related Related Related Notated Related Rela		
of magnet coil percental drop-out voltage of magnet coil related to the input voltage ONI-delay time OF-delay time 10 24 ms Overload relay product function • overload protection • phase failure detection • product function • ground fault detection • ground fault detection • external reset • external reset reset function • overload relay • external reset reset function • overload release ground fault detection • external reset reset function • overload release ground fault detection • external reset reset function • overload release ground fault response value current of the current-dependent overload release ground relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V • at DC at 250 V contact rating of auxiliary contacts of overload relay • with multi-phase operation at AC rated value • with multi-phase operation of a C rated value • with multi-phase operation of a C rated value • with multi-phase opera		
input voltage ONt-delay time OFF-delay time OFF-delay time OFF-delay time Overload relay product function • overload protection • phase failure detection • asymmetry detection • ground fault detection • external reset reset function • external reset reset function In place a substable current response value current of the current-dependent overload release relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V contact rating of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V contact rating of auxiliary contacts of overload relay • with multi-phase operation at AC rated value • with multi-phase operation of supply voltage line-side tightering torque [tibring for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum reserved. 19 24 ms 49 24 ms 19 24 ms 76 24 ms 10 24 ms 11 20 ms 11 24 ms 11 25 ms 12 24 ms 13 25 ms 14 25 ms 15 25 ms 26 25 ms 27 24 ms 28 25 ms 29 24 ms 29 24 ms 29 24 ms 29 24 ms 20 24 librin 20 2	magnet coil	
Overload relay product function • overload protection • phase failure detection • phase failure detection • phase failure detection • phase failure detection • ground fault detection • ground fault detection • external reset reset function • external reset reset function If piclass GLASS 5 / 10 / 20 (factory set) / 30 O.75 3.4 A daulstable current response value current of the current-dependent overload release tripping time at phase-loss maximum relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay at AC at 600 V • 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 • with multi-phase operation at AC rated value • with multi-phase operation of AC rated value • with repeature of the conductor of rosupply voltage line-side degree of protection NEMA rating design of the housing AC recurrent of AC rated value • with repeature of AC rated value • with repeatur		50 %
product function • overload protection • overload protection • operation and sufficient of the current of the	N-delay time	19 29 ms
product function	FF-delay time	10 24 ms
overload protection phase failure detection a symmetry detection erest pround fault detection test function trip class adjustable current response value current of the current-dependent overload release tripping time at phase-loss maximum relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay at NC at 800 V at DC at 250 V at DC at 250 V at DC at 250 V with multi-phase operation at AC rated value with multi-phase operation at SC rated value with relative to the value v	erload relay	
phase failure detection asymmetry detection ground fault detection test function test function test function test function trip class cexternal reset reset function trip class adjustable current response value current of the current-dependent overload release tripping time at phase-loss maximum relative repeat 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 600 V at DC at 250 V to contact rating of auxiliary contacts of overload relay evith single-phase operation at AC rated value with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value ferelosure degree of protection NEMA rating design of the housing mounting position fastening method type of electrical connection for supply voltage line-side tightening torque (libf-in) for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque (libf-in) for load-side outgoing feeder	oduct function	
• asymmetry detection • ground fault detection • test function • external reset reset function • external reset reset function Amanual, automatic and remote trip class adjustable current response value current of the current- dependent overload release tripping time at phase-loss maximum relative repeat 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 number of NO contacts of overload relay • at AC at 600 V • 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 • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation of according to Uk. fastening method degree of protection NEMA rating design of the housing Mounting/wiring mounting position fastening method Surface mounting and installation Yerical surface mounting and installation Yerical surface mounting and installation Yerical 1x(14 - 2 AWG) AL or CU Screw-type terminals 1x(14 - 2 AWG) AL or CU Screw-type terminals 1x(14 - 10 AWG)	overload protection	Yes
ground fault detection test function external reset external reset reset function introction intr	phase failure detection	Yes
external reset	asymmetry detection	Yes
external reset	•	Yes
external reset reset function trip class adjustable current response value current of the current- dependent overload release tripping time at phase-loss maximum relative repeat 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 operational current of auxiliary contacts of overload relay at AC at 600 V at DC at 250 V contact rating of auxiliary contacts of overload relay e with single-phase operation at AC rated value with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value feer of protection NEMA rating design of the housing mounting position type of electrical connection for supply voltage line-side tightening torque [lbf in] for supply type of connectable conductor for supply maximum permissible material of the conductor for supply maximum tightening torque [lbf in] for load-side outgoing feeder tightening torque lbf in] for load-side outgoi		Yes
trip class adjustable current response value current of the current-dependent overload release tripping time at phase-loss maximum relative repeat 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 number of NO contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V contact rating of auxiliary contacts of overload relay according to UL • with multi-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 rate	external reset	Yes
trip class adjustable current response value current of the current-dependent overload release tripping time at phase-loss maximum relative repeat 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 number of NO contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V contact rating of auxiliary contacts of overload relay according to UL • with multi-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 rate		
adjustable current response value current of the current-dependent overload release tripping time at phase-loss maximum relative repeat 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 number of NC contacts of auxiliary contacts of overload relay e at AC at 600 V at AC at 600 V at 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 with multi-phase operation at AC rated value fegree of protection NEMA rating design of the housing Mounting/wiring mounting position type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply maximum permissible type of connectable conductor for supply maximum permissible material of the conductor for supply maximum permissible type of connectable conductor for supply maximum permissible material of the conductor for supply maximum permissible type of connectable conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply maximum permissible mounting (birin) for load-side outgoing feeder type of electrical connection for load-side outgoing feeder type of electrical conductor cross-sections at AWG 2 x (14 - 10 AWG)		
dependent overload release tripping time at phase-loss maximum relative repeat 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 operational current of auxiliary contacts of overload relay • at AC at 600 V • 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 • with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply yapping feeder type of electrical connection for load-side outgoing feeder type of electrical connectable conductor cross-sections at AWG 20 24 lbf-in type of connectable conductor cross-sections at AWG 20 24 lbf-in type of connectable conductor cross-sections at AWG 20 24 lbf-in type of connectable conductor cross-sections at AWG 20 24 lbf-in type of connectable conductor cross-sections at AWG 20 24 lbf-in type of connectable conductor cross-sections at AWG		
relative repeat accuracy product feature protective coating on printed-circuit board 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 AC at 600 V • 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 • with multi-phase operation at AC rated value Enclosure degree of protection NEMA rating 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 for supply maximum permissible material of the conductor for supply maximum type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG type of connectable conductor for supply maximum permissible material of the conductor for supply maximum type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG type of connectable conductor for supply maximum type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG type of connectable conductor cross-sections at AWG type of connectable conductor for supply type of connectable conductor cross-sections at AWG type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG type of connectable conductor cross-sections at AWG type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG type of connectable conductor cross-sections at AWG type of connectable conductor cross-sections at		
product feature protective coating on printed-circuit board 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 AC at 600 V • 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 fegree of protection NEMA rating degree of protection NEMA rating degree of protection NEMA rating mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for supply type of connectable conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for supply fightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor corses-sections at AWG 2 x (14 - 10 AWG)	pping 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 operational current of auxiliary contacts of overload relay • at AC at 600 V • 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 segree of protection NEMA rating degree of protection NEMA rating design of the housing mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor for supply maximum permissible material of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor cross-sections at AWG type of connectable conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor for supply type of connectable conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG 2 x (14 - 10 AWG)	lative repeat accuracy	1 %
relay number of NO contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V • 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 ewith multi-phase operation at AC rated value Enclosure degree of protection NEMA rating 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 at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor cross-sections at AWG 2 x (14 - 10 AWG)	oduct feature protective coating on printed-circuit board	Yes
operational current of auxiliary contacts of overload relay • at AC at 600 V • 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 • with single-phase operation at AC rated value • on V • with single-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V • with multi-phase operation at AC rated value • on V •		1
 at AC at 600 V at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL insulation voltage (Ui) with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value auxiliary with multi-phase operation at AC rated value bust-tight, watertight & corrosion resistant bust-tight, watertight & corrosion resistant corrosion resistant data (12 Auxiliary) data (12 Auxiliary) data (12 Auxiliary) data (13 Auxiliary) data (14 - 2 Auxiliary) data (14		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 with multi-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value ### AC rated value ### AC rated value ### BOUNT OF TAILING OF	perational 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 • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value **Total Control Contr	• at AC at 600 V	5 A
according to UL insulation voltage (Ui) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value 300 V Enclosure degree of protection NEMA rating 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 at 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 tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG 2 x (14 - 10 AWG)	• at DC at 250 V	1 A
with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value ### degree of protection NEMA rating ### degree of protection nesistant ### degree of protection for supply observed and suggested of suggested or suggested		5A@600VAC (B600), 1A@250VDC (R300)
● with multi-phase operation at AC rated value 300 V	sulation voltage (Ui)	
degree of protection NEMA rating design of the housing Dust-tight, watertight & corrosion resistant 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 at 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 at AWG 2 x (14 - 10 AWG)	 with single-phase operation at AC rated value 	600 V
degree of protection NEMA rating design of the housing Dust-tight, watertight & corrosion resistant 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 at AWG cables single or multi-stranded temperature 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 for supply type of connectable conductor for load-side outgoing feeder type of connectable conductor cross-sections at AWG 2 x (14 - 10 AWG)	with multi-phase operation at AC rated value	300 V
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 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 for supply AL or CU type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG 2 x (14 - 10 AWG)	losure	
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 temperature of the conductor for supply 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 for supply AL or CU type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG 2 x (14 - 10 AWG)	egree of protection NEMA rating	4X, fiber glass
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 at 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 at AWG 2 x (14 - 10 AWG)		Dust-tight, watertight & corrosion resistant
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 at 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 at AWG 2 x (14 - 10 AWG)	unting/wiring	
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 at 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 at AWG 2 x (14 - 10 AWG)		Vertical
type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG Screw-type terminals 2 x (14 - 10 AWG)		
tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG 35 35 lbf-in 1x(14 - 2 AWG) AL or CU Screw-type terminals 20 24 lbf-in 20 24 lbf-in		
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG 1x(14 - 2 AWG) AL or CU Screw-type terminals 20 24 lbf·in 2 x (14 - 10 AWG)		, ·
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 at AWG 75 °C AL or CU Screw-type terminals 20 24 lbf·in 2 x (14 - 10 AWG)	pe of connectable conductor cross-sections at line-side	
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 at AWG AL or CU Screw-type terminals 20 24 lbf·in 2 x (14 - 10 AWG)	mperature of the conductor for supply maximum	75 °C
type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG 20 24 lbf·in 2 x (14 - 10 AWG)		AL or CU
tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG 20 24 lbf·in 2 x (14 - 10 AWG)		
type of connectable conductor cross-sections at AWG 2 x (14 - 10 AWG)		**
stranded	pe of connectable conductor cross-sections at AWG ables for load-side outgoing feeder single or multi-	
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °C	,	75 °C
material of the conductor for load-side outgoing feeder CU	· · · · · · · · · · · · · · · · · · ·	CU
type of electrical connection of magnet coil screw-type terminals		
tightening torque [lbf·in] at magnet coil 5 12 lbf·in	-	• •
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	pe of connectable conductor cross-sections of magnet	
temperature of the conductor at magnet coil maximum 75 °C	mperature of the conductor at magnet coil maximum	75 °C

permissible	
material of the conductor at magnet coil	CU
type of electrical connection for auxiliary contacts	screw-type terminals
tightening torque [lbf·in] at contactor for auxiliary contacts	10 15 lbf·in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded	1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	screw-type terminals
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded	2 x (20 - 14 AWG)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)
design of the short-circuit trip	Thermal magnetic circuit breaker
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	14 kA
• at 480 V	10 kA
• at 600 V	10 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14DUB12FF

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14DUB12FF

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14DUB12FF&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14DUB12FF/certificate

last modified: 11/29/2021 🖸