SIEMENS

Data sheet

US2:17CUC92XF10



STARTER, FVNR, S0, SSOLR, 120VAC, DI STARTER, FVNR, S0, SSOLR, 120VAC, DI

product brand name	Class 17
design of the product	Non-reversing motor starter with fusible disconnect
special product feature	ESP200 overload relay
General technical data	
weight [lb]	34 lb
Height x Width x Depth [in]	24 × 11 × 8 in
touch protection against electrical shock	NA for enclosed products
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
during storage	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
during operation	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	2 hp
 at 220/230 V rated value 	2 hp
• at 460/480 V rated value	0 hp
• at 575/600 V rated value	0 hp
Contactor	
size of contactor	NEMA controller size 0
number of NO contacts for main contacts	3
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
operational current at AC at 600 V rated value	18 A
mechanical service life (operating cycles) of the main contacts typical	1000000
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum	8
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
• at AC at 50 Hz rated value	110 V
• at AC at 60 Hz rated value	120 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA

operating area 0.45 1.1 presental drop-out vallage of magnet coll related to the input vallage. 0.9 %. ON dealy vine 19 26 ms OPF-dealy vine 10 26 ms Overland ratio 0.9 %. Overland ratio 0.9 %. Overland ratio 0.9 %. overland protection 10 26 ms overland protection Yes • overland relate Yes • overland protection Yes • overland protection Manual, automatic and remote fig data CLASS 5 / 10 / 20 (tactory sel/) / 30 algutatole current of the current- 3 a relation repeat acuracy 1% product feature protective coaling or printed-ciccuit badit Yes 1 product feature protective coaling on printed-ciccuit badit Yes 1 operatorial current of auxiliary coattads of overload relay 1	ennegrant helding neuron of mean at apil at A.C.	0E \/A
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	phase failure detection	Yes
	asymmetry detection	Yes
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material of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf-in] for load-side outgoing feeder20 20 lbf-intype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coilScrew-type terminalstightening torque [lbf-in] at magnet coil5 12 lbf-intype of connectable conductor at magnet coil maximum permissible2x (16 12 AWG)temperature of the conductor at magnet coilCUtype of electrical connection for auxiliary contactsCU	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug
type of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf·in] for load-side outgoing feeder20 20 lbf·intype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder type of electrical connection of magnet coilScrew-type terminalstightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor at magnet coil maximum permissible2x (16 12 AWG)temperature of the conductor at magnet coilCUtype of electrical connection for auxiliary contactsCU	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 lbf-in
tightening torque [lbf-in] for load-side outgoing feeder20 20 lbf-intype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coil5 12 lbf-intype of connectable conductor at magnet coil maximum75 °Ctemperature of the conductor at magnet coil maximum75 °Ctemperature of the conductor at magnet coil for AWG cables single or multi-stranded2x (16 12 AWG)temperature of the conductor at magnet coilCUtype of electrical connection for auxiliary contactsCU	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 lbf in 1x (14 2 AWG)
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded1x (14 2 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coilScrew-type terminalstightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor at magnet coil maximum permissible75 °Ctemperature of the conductor for load-side outgoing feeder5 12 lbf·intype of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded75 °Ctemperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUtype of electrical connection for auxiliary contactsScrew-type terminals	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG) 75 °C
for load-side outgoing feeder single or multi-strandedTo 'Ctemperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coilScrew-type terminalstightening torque [lbf-in] at magnet coil5 12 lbf-intype of connectable conductor at magnet coil maximum permissible2x (16 12 AWG)temperature of the conductor at magnet coilCUtype of electrical connection for auxiliary contactsCU	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU
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tightening torque [lbf-in] at magnet coil5 12 lbf-intype of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded2x (16 12 AWG)temperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUtype of electrical connection for auxiliary contactsScrew-type terminals	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x (14 2 AWG)
type of connectable conductor cross-sections of magnet coil for 2x (16 12 AWG) AWG cables single or multi-stranded 75 °C temperature of the conductor at magnet coil maximum 75 °C material of the conductor at magnet coil CU type of electrical connection for auxiliary contacts Screw-type terminals	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder tightening torque feeder single or multi-stranded temperature of the conducto	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1x (14 2 AWG) 75 °C
AWG cables single or multi-stranded for the conductor at magnet coil maximum permissible material of the conductor at magnet coil CU type of electrical connection for auxiliary contacts Screw-type terminals	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of 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 type of connectable conductor for load-side outgoing feeder type of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tupe of connectable conductor for load-side outgoing feeder tupe of the conductor for load-side outgoing feeder	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 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 20 lbf in 1x (14 2 AWG)
permissible CU material of the conductor at magnet coil CU type of electrical connection for auxiliary contacts Screw-type terminals	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of electrical connection of nagnet coil	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 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 20 lbf-in 1x (14 2 AWG)
type of electrical connection for auxiliary contacts Screw-type terminals	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of clectrical connection of load-side outgoing feeder type of electrical connection for load-side outgoing feeder type of electrical connection of magnet coil temperature of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil <	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 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 20 lbf-in 1x (14 2 AWG)
	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder type of electrical connection of magnet coil 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	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 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 20 lbf in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 20 lbf in 1x (14 2 AWG)
	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder tightening torque [lbf-in] 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 load-side outgoing feeder type of electrical connection of magnet coil 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	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 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 20 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 5 12 lbf·in 2x (16 12 AWG) 75 °C
tightening torque [lbf·in] at contactor for auxiliary contacts 10 15 lbf·in	Disconnect Switch response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of 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 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 for load-side outgoing feeder type	30A / 250V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion vertical Surface mounting and installation Box lug 35 35 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 20 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG) 75 °C CU

type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf-in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay for AWG cables for auxiliary contacts single or multi-stranded	2x (20 14 AWG)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	
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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=US2:17CUC92XF10

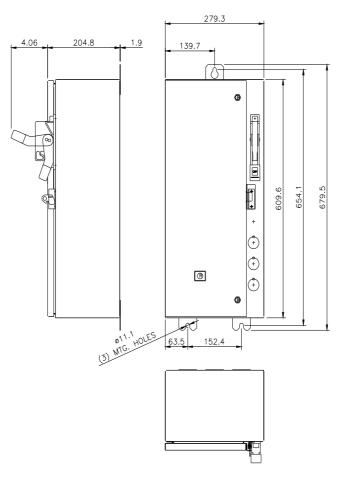
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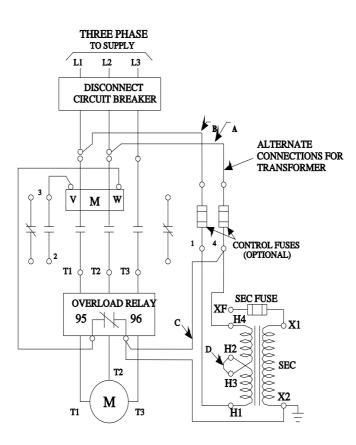
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