## **SIEMENS**

Data sheet US2:17FUF82WL13



Non-reversing motor starter, Size 2, Three phase full voltage, Solid-state overload relay, OLR amp range 13-52A, 240V 50Hz / 277V 60Hz coil, Combination type, 60A fusible disconnect, 60A/600V fuse clip, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive, Extra-wide enclosure

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]	49 lb
Height x Width x Depth [in]	24 × 20 × 8 in
touch protection against electrical shock	NA for enclosed products
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
<ul> <li>during storage</li> </ul>	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
<ul> <li>during storage</li> </ul>	-30 +65 °C
during operation	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
<ul><li>at 200/208 V rated value</li></ul>	0 hp
<ul><li>at 220/230 V rated value</li></ul>	0 hp
• at 460/480 V rated value	25 hp
• at 575/600 V rated value	25 hp
Contactor	
size of contactor	NEMA controller size 2
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	45 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	7
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	
<ul> <li>at AC at 50 Hz rated value</li> </ul>	240 V
at AC at 60 Hz rated value	277 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA

percental drop-out-voltage of magnet coil related to the input voltage and inspect coil related to the input voltage of magnet coil related to the input voltage of the control of the contro	apparent holding power of magnet soil of AC	25 \/\
processed and processed with a processed and	apparent holding power of magnet coil at AC	25 VA
violage ON delay time 10 _ 29 ms OFF-day time 10 _ 24 ms Overload protection • vertical protection • vertical protection • vertical protection • sysmmetry detection • sysmmetry detection • systmatic detection • sys	magnet coil	
Operational materials		50 %
Overload rately product function  Overload protection  Overload protective coating on printed circuit board  Overload relative of NO contacts of auxiliary contacts of overload relay  Overload relative of NO contacts of auxiliary contacts of overload relay  Overload relative of NO contacts of auxiliary contacts of overload relay  Overload relative of NO contacts of auxiliary contacts of overload relay according to  Overload relative of NO contacts of auxiliary contacts of overload relay according to  Overload relative of NO contacts of auxiliary contacts of overload relay according to  Overload relative of NO contacts of auxiliary contacts of overload relay  Overload relative of NO contacts of auxiliary contacts of	ON-delay time	19 29 ms
product function	OFF-delay time	10 24 ms
• overload protection     • phase failure detection     • phase failure detection     • caymmetry detection     • caymmetry detection     • caymmetry detection     • portural fault detection     • leaf function     • external reset     • cotternal reset     • contract reset point and reset of overload relay     • at AC at 800 V     • at DC at 250 V     • contact reset point and according to     • cotternal reset     • with multi-phase operation at AC rated value     • with multi-phase operation     • cotternal reset reset reset reset research     • cotternal reset reset reset reset reset reset reset research     • cotternal reset rese	Overload relay	
Phase failure detection     Sysmmetry detection detection     Sysmmetry detection detection     Sysmmetry detection     S	product function	
asymmetry detection     ground fault detection     ground fault detection     sets tunction     external reset     yes     external reset     yes     sets function     Manual, automatic and remote     trip class     adjustable current responses value current of the current- dependent overfload release     tripping time at phase-loss maximum     as     adjustable current responses value current of the current- dependent overfload release     tripping time at phase-loss maximum     3 s     relative repeat accouracy     product feature protective contacts of auroliand protection of the current of the current of aurolians of aurolian	<ul> <li>overload protection</li> </ul>	Yes
• ground fault detection • lest function • fing class	phase failure detection	Yes
* Itest function     * Ves      * external reset  reset function     * Manual, automatic and remote  trip class     * CLASS 57 107 20 (factory set) / 30  aljustable current response value current of the current- dependent overfload release  triping filting and 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  ves  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  • at DC at 250 V  • at DC at 250 V  • with single-phase operation at AC rated value  Olicomact Switch  response value of switch disconnector  design of the shotder  design of the housing  design of the housing  Mountarywiring  Mountarywiring  Mountarywiring  Mountarywiring  design of the conductor for supply vollage line-side  spithering torque [firin] for supply  ype of celectrical connection for dad-side outgoing feeder  May ac does single or multi-stranded  temperature of the conductor for land-side outgoing feeder  Mark outs single or multi-stranded  type of electrical connection for dad-side outgoing feeder  Mark outs single or multi-stranded  flype of electrical connection for dad-side outgoing feeder  Mark outs single or multi-stranded  flype of electrical connection for dad-side outgoing feeder  maximum permissible  for one called the conductor for supply washimum permissible  frameterial of the conductor for land-side outgoing feeder  Mark outs single or multi-stranded  flype of electrical connection for land-side outgoing feeder  Mark outs single or multi-stranded  flype of electrical connection for land-side outgoing feeder  Mark outs single or multi-stranded  flype of electrical connection for land-side outgoing feeder  Mark outs single or multi-stranded  flype of electrical connection for land-side outgoing feeder  Mark outs single or multi-stranded  flype of electrical connection of	<ul> <li>asymmetry detection</li> </ul>	Yes
reset function  Manual, automatic and remote trip class  CLASS 5/10 / 20 (factory set) / 30  adjustable current response value current of the current- dependent overfood release  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 overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay according to  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  1 number of NC contacts of auxiliary contacts of overfood relay  2 number of auxiliary contacts of overfood relay  2 number of number of auxiliary contacts of overfood relay  2 number of number of auxiliary contacts of overfood relay  2 number of auxiliary contacts of overfood relay  2 number of number of security contacts of overfood relay  3 number of number of security contacts of overfood relay  2 number of number of security contacts of overfood relay  3 number of number of security contacts of overfood relay  3 number of number of security contacts of number of auxiliary contacts of number of number of	<ul> <li>ground fault detection</li> </ul>	Yes
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• with multi-phase operation at AC rated value  Disconnect Switch  response value of switch disconnector design of fuse holder operating class of the fuse link  Class R fuse clips Olass R  Enclosure design of the housing  Mounting/wiring  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 load-side outgoing feeder type of connectable conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder Mye of electrical connection for load-side outgoing feeder 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 Mye of connectable conductor for load-side outgoing feeder AL or CU type of connectable conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder Mye of electrical connection of magnet coil Utype of connectable connection of magnet coil of Screw-type terminals Utype of connectable connection of magnet coil of Screw-type terminals Utype of connectable connection of magnet coil of Screw-type terminals Utype of connectable conductor cross-sections of magnet coil of Screw-type terminals Utype of connectable conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible	insulation voltage (Ui)	
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class R  Enclosure  design of the housing  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side temperature of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder material of the conductor of magnet coil  tightening torque [lbf-in] at magnet coil  5 12 lbf-in  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	with multi-phase operation at AC rated value     Disconnect Switch	
Description	with multi-phase operation at AC rated value     Disconnect Switch     response value of switch disconnector	
design of the housing  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side  tightening torque [libf-in] for supply  yoltage line-side for AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  tightening torque [libf-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 [libf-in] for load-side outgoing feeder  type of connectable conductor for supply  AL or CU  type of connectable conductor for supply  for 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 for load-side outgoing feeder  type of connectable conductor for load-side outgoing feeder  material of the conductor for load-side outgoing feeder  AL or CU  type of electrical connection of magnet coil  type of connectable conductor for load-side outgoing feeder  AL or CU  type of electrical connection of magnet coil  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	with multi-phase operation at AC rated value     Disconnect Switch     response value of switch disconnector     design of fuse holder	60A / 600V Class R fuse clips
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mounting position vertical fastening method Surface mounting and installation  type of electrical connection for supply voltage line-side Box lug  tightening torque [lbf-in] for supply 35 35 lbf-in  type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible 75 °C  material of the conductor for supply AL or CU  type of electrical connection for load-side outgoing feeder Box lug  tightening torque [lbf-in] for load-side outgoing feeder 45 45 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 AL or CU  type of electrical connection for load-side outgoing feeder maximum permissible at the conductor for load-side outgoing feeder AL or CU  type of electrical connection of magnet coil Screw-type terminals  tightening torque [lbf-in] at magnet coil 5 12 lbf-in  type of connectable conductor cross-sections of magnet coil 75 °C  avg at load-side outgoing or multi-stranded scales single or multi-stranded 5 12 lbf-in  type of connectable conductor cross-sections of magnet coil 75 °C  type of connectable conductor at magnet coil maximum permissible at material of the conductor at magnet coil maximum permissible at material of the conductor at magnet coil maximum permissible at the conductor at magnet coil 6 CU	with multi-phase operation at AC rated value  Disconnect Switch  response value of switch disconnector  design of fuse holder  operating class of the fuse link  Enclosure	60A / 600V Class R fuse clips Class R
fastening method  type of electrical connection for supply voltage line-side  tightening torque [ibf-in] for supply  35 35 lbf-in  type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  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  material of the conductor for load-side outgoing feeder  type of connectable conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  type of electrical connection of magnet coil  type of connectable conductor 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	with multi-phase operation at AC rated value  Disconnect Switch  response value of switch disconnector  design of fuse holder  operating class of the fuse link  Enclosure  design of the housing	60A / 600V Class R fuse clips Class R
type of electrical connection for supply voltage line-side  tightening torque [lbf-in] for supply  35 35 lbf-in  1x (14 2 AWG)  AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible  material of the conductor for supply maximum permissible  tightening torque [lbf-in] for load-side outgoing feeder  type of electrical connection for load-side outgoing feeder  type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder  maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  type of electrical connection of magnet coil  type of connectable conductor for load-side outgoing feeder  maximum permissible  material of the conductor for load-side outgoing feeder  type of connectable conductor of magnet coil  type of connectable conductor of 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  CU	with multi-phase operation at AC rated value  Disconnect Switch  response value of switch disconnector  design of fuse holder  operating class of the fuse link  Enclosure  design of the housing  Mounting/wiring	60A / 600V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion
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  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 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 for load-side outgoing feeder  type of connectable conductor 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	with multi-phase operation at AC rated value  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	60A / 600V Class R fuse clips Class R dustproof, waterproof & resistant to corrosion
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 AL or CU  type of electrical connection for load-side outgoing feeder Box lug  tightening torque [lbf-in] for load-side outgoing feeder 45 45 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 AL or CU  type of electrical connection of magnet coil 5 12 lbf-in  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 CU	with multi-phase operation at AC rated value  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	60A / 600V Class R fuse clips Class R  dustproof, waterproof & resistant to corrosion  vertical Surface mounting and installation
temperature of the conductor for supply maximum permissible  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 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 droughties and the conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil cul  CU	with multi-phase operation at AC rated value  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	60A / 600V  Class R fuse clips  Class R  dustproof, waterproof & resistant to corrosion  vertical  Surface mounting and installation  Box lug
material of the conductor for supply  type of electrical connection for load-side outgoing feeder  tightening torque [lbf-in] for load-side outgoing feeder  type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil cU  CU	with multi-phase operation at AC rated value  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	Class R fuse clips Class R  dustproof, waterproof & resistant to corrosion  vertical Surface mounting and installation Box lug 35 35 lbf-in
type of electrical connection for load-side outgoing feeder  tightening torque [lbf-in] for load-side outgoing feeder  type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil CU  CU  CU  CU  CU  CU  CU	with multi-phase operation at AC rated value  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	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 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  cu  CU	with multi-phase operation at AC rated value  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	60A / 600V 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-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  CU   1x (14 2 AWG)  75 °C  2x (14 2 AWG)  75 °C  2x (16 12 AWG)  75 °C  CU	with multi-phase operation at AC rated value  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	60A / 600V 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)
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  CU	with multi-phase operation at AC rated value  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  type of electrical connection for load-side outgoing feeder	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 Box lug
maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  screw-type terminals  tightening torque [lbf-in] at magnet coil  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  CU	with multi-phase operation at AC rated value  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	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 Box lug 45 45 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  CU  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU	with multi-phase operation at AC rated value  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	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 Box lug 45 45 lbf-in
tightening torque [lbf·in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  CU	with multi-phase operation at AC rated value  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  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	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 Box lug 45 45 lbf-in 1x (14 2 AWG)
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  CU	with multi-phase operation at AC rated value  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 load-side outgoing feeder  type of connectable conductor cross-sections for AWG cables 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 connectable conductor for load-side outgoing feeder  temperature of the conductor for load-side outgoing feeder  maximum permissible	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 Box lug 45 45 lbf-in 1x (14 2 AWG)
AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  CU	with multi-phase operation at AC rated value  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 load-side outgoing feeder  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 cross-sections for AWG cables for load-side outgoing feeder  type of connectable conductor for load-side outgoing feeder  maximum permissible  material of the conductor for load-side outgoing feeder  maximum permissible  material of the conductor for load-side outgoing feeder	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  Box lug  45 45 lbf·in  1x (14 2 AWG)  75 °C  AL or CU  AL or CU  Box Lug  AL or CU
permissible material of the conductor at magnet coil  CU	with multi-phase operation at AC rated value  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 load-side outgoing feeder  type of connectable conductor cross-sections for AWG cables 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 maximum permissible  material of the conductor for load-side outgoing feeder	60A / 600V 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 Box lug 45 45 lbf-in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals
	with multi-phase operation at AC rated value  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 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 connectable conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for	60A / 600V 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 Box lug 45 45 lbf-in 1x (14 2 AWG)  75 °C AL or CU Box lug 45 45 lbf-in 1x (14 2 AWG)
	with multi-phase operation at AC rated value  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 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	GOA / 600V 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 Box lug 45 45 lbf·in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 5 12 lbf·in 2x (16 12 AWG)
type of electrical connection for auxiliary contacts  Screw-type terminals	with multi-phase operation at AC rated value      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     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	60A / 600V 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 Box lug 45 45 lbf-in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG)
tightening torque [lbf·in] at contactor for auxiliary contacts  10 15 lbf·in	with multi-phase operation at AC rated value      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     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	60A / 600V 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 Box lug 45 45 lbf-in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG)

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	

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=US2:17FUF82WL13

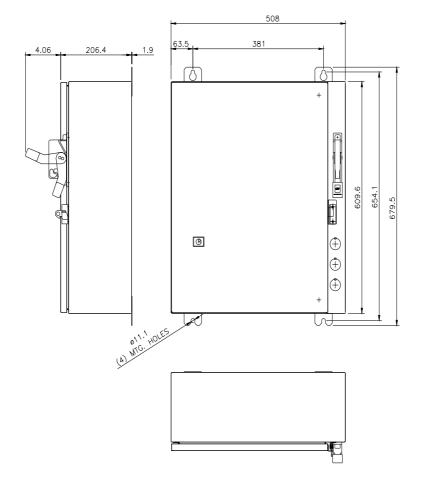
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:17FUF82WL13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17FUF82WL13&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:17FUF82WL13&lang=en</a>

Certificates/approvals

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