SIEMENS

Data sheet

US2:17FUF82WH12



Non-reversing motor starter, Size 2, Three phase full voltage, Solid-state overload relay, OLR amp range 13-52A, Combination type, 60A fusible disconnect, 60A/250V fuse clip, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive, Extra-wide enclosure

| Fig | gure | simi | lar |
|-----|------|------|-----|
| | | | |

| 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] | |
| 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 | 10 hp |
| • at 220/230 V rated value | 15 hp |
| • at 460/480 V rated value | 0 hp |
| • at 575/600 V rated value | 0 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 (switching 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 | 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 | |

| • el AC at 50 Hz rated value 380440 V • el AC at 60 Hz rated value 440480 V holding power of magnet coil at AC 218 VA apparent holding power of magnet coil at AC 25 VA operating range factor control supply voltage rated value 0.85 1.1 of magnet coil 60 % ON-delay time 19 29 ms OVerload relay 700 model product function Yes • overload protection Yes • overload fault detection Yes • overload fault detection Yes • overload fault detection Yes • overload relate test Yes • overload relate test Yes • estimation Yes • estimation Yes • est function Yes • estimation Yes • estimation Yes reset function Manual, automatic and remote tip class CLASS 5 10 / 20 (factory set) / 30 adjustable current response value current of the current- depart accuracy product fauct relases maximum < | at AC at 60 Hz rated value ding power at AC minimum barent pick-up power of magnet coil at AC barent holding barent ho | 440 480 V 8.6 W 218 VA 25 VA 0.85 1.1 50 % 19 29 ms 10 24 ms Yes Yes Yes | | |
|--|---|--|--|--|
| holding power at AC minimum 8.6 W apparent pick-up power of magnet coil at AC 218 VA apparent holding power of magnet coil at AC 25 VA operating range factor control supply voltage rated value of magnet coil 0.85 1.1 of magnet coil at the top out voltage of magnet coil related to the input voltage 50 % ON-delay time 19 29 ms OVerload relay 78 29 ms product function Yes • overload protection Yes • apyrimetry detection Yes • apyrimetry detection Yes • apyrimetry detection Yes • est function Yes • est function Yes • est function Yes reset function Yes reset function 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 overload relases 13 52 A product funct in earb pase-boss maximum 3 s relative repeat accuracy 1 % product f | ding power at AC minimum parent pick-up power of magnet coil at AC parent holding power of magnet coil at AC erating range factor control supply voltage rated value magnet coil cental drop-out voltage of magnet coil related to the ut voltage -delay time F-delay time toad relay duct function • overload protection • phase failure detection • asymmetry detection • ground fault detection • test function | 8.6 W 218 VA 25 VA 0.85 1.1 50 % 19 29 ms 10 24 ms Yes Yes Yes | | |
| apparent pick-up power of magnet coil at AC 218 VA apparent holding power of magnet coil at AC 25 VA operating range factor control supply voltage rated value of magnet coil 0.85 1.1 of magnet coil 0.85 1.1 percental drop-out voltage of magnet coil related to the input voltage 19 29 ms ON-delay time 10 24 ms OVerload protection Yes e phase failure detection Yes e phase failure detection Yes e symmetry detection Yes e set function Yes reset function Yes external reset 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 vortical release 13 52 A tripping time at phase-loss maximum 3 s relative repretat accuracy 1% product fully protective coating on printed-circuit board relay Yes operating rative protective coating on printed-circuit board relay 1 operational current of auxiliary contacts of overload relay 5 A at CL at 260 V 1 <td>aarent pick-up power of magnet coil at AC barent holding power of magnet coil at AC erating range factor control supply voltage rated value magnet coil cental drop-out voltage of magnet coil related to the ut voltage -delay time F-delay time load relay duct function • overload protection • phase failure detection • asymmetry detection • ground fault detection • test function</td> <td>218 VA 25 VA 0.85 1.1 50 % 19 29 ms 10 24 ms Yes Yes Yes</td> | aarent pick-up power of magnet coil at AC barent holding power of magnet coil at AC erating range factor control supply voltage rated value magnet coil cental drop-out voltage of magnet coil related to the ut voltage -delay time F-delay time load relay duct function • overload protection • phase failure detection • asymmetry detection • ground fault detection • test function | 218 VA 25 VA 0.85 1.1 50 % 19 29 ms 10 24 ms Yes Yes Yes | | |
| apparent holding power of magnet coil at AC 25 VA operating range factor control supply voltage rated value of magnet coil 0.85 1.1 percental drop-out voltage of magnet coil related to the input voltage 50 % ON-delay time 19 29 ms OVerload protection Yes • overload protection Yes • overload protection Yes • asymmetry detection Yes • asymmetry detection Yes • est function Manual, automatic and remote trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overload release 13 52 A product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay 1 % product feature of Noc contacts of auxiliary contacts of overload relay 1 A ontact rating of auxiliary contacts of overload relay 5 A <tr< td=""><td>aarent holding power of magnet coil at AC erating range factor control supply voltage rated value magnet coil cental drop-out voltage of magnet coil related to the ut voltage -delay time F-delay time load relay duct function • overload protection • phase failure detection • asymmetry detection • ground fault detection • test function</td><td>25 VA 0.85 1.1 50 % 19 29 ms 10 24 ms Yes Yes Yes</td></tr<> | aarent holding power of magnet coil at AC erating range factor control supply voltage rated value magnet coil cental drop-out voltage of magnet coil related to the ut voltage -delay time F-delay time load relay duct function • overload protection • phase failure detection • asymmetry detection • ground fault detection • test function | 25 VA 0.85 1.1 50 % 19 29 ms 10 24 ms Yes Yes Yes | | |
| operating range factor control supply voltage rated value of magnet coil 0.85 1.1 of magnet coil 50 % input voltage 50 % ON-delay time 19 29 ms OFF-delay time 10 24 ms Overload protection Yes • phase failure detection Yes • asymmetry detection Yes • ground fault detection Yes • est function Manual, automatic and remote trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overtoad release tripping time at phase-loss maximum 3 s relative repeat accuracy Yes product feature protective coating on printed-circuit board 1 number of NC contacts of auxiliary contacts of overload | rating range factor control supply voltage rated value nagnet coil cental drop-out voltage of magnet coil related to the ut voltage -delay time F-delay time load relay duct function • overload protection • phase failure detection • asymmetry detection • ground fault detection • test function | 0.85 1.1 50 % 19 29 ms 10 24 ms Yes Yes Yes | | |
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| OFF-delay time 10 24 ms Overload relay product function • overload protection Yes • phase failure detection Yes • asymmetry detection Yes • ground fault detection Yes • test function Yes • external reset 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 overload release tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board 1 number of NC contacts of auxiliary contacts of overload relay 1 elay at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) • with single-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips Goard 250V response value of switch disconnector 60A / 250V Class R degree of protection N | F-delay time load relay duct function • overload protection • phase failure detection • asymmetry detection • ground fault detection • test function | 10 24 ms Yes Yes Yes | | |
| Overload relay product function Yes • overload protection Yes • phase failure detection Yes • asymmetry detection Yes • ground fault detection Yes • external reset Yes reset function 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 overload release 13 52 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board 1 number of NC contacts of auxiliary contacts of overload 1 number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 5 A et DC at 250 V 1 A contact rating of auxiliary contacts of overload relay 5 A et DC at 250 V 1 A insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 300 V | load relay duct function • overload protection • phase failure detection • asymmetry detection • ground fault detection • test function | Yes Yes Yes | | |
| product function Yes • overload protection Yes • phase failure detection Yes • asymmetry detection Yes • ground fault detection Yes • external reset Yes reset function Yes tip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overload release 13 52 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 • at DC at 250 V 1 A contact raing of auxiliary contacts of overload relay according to UL 5A insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with single-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips response value of switch disconnector 60A / 250V degree of protect | duct function • overload protection • phase failure detection • asymmetry detection • ground fault detection • test function | Yes Yes | | |
| • overload protection Yes • phase failure detection Yes • asymmetry detection Yes • ground fault detection Yes • ground fault detection Yes • test function Yes • external reset Yes reset function Manual, automatic and remote trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- 13 52 A dependent overload release 1 tripping time at phase-loss maximum 3 s relative repeat accuracy 1% product feature protective coating on printed-circuit board 1 number of NC contacts of auxiliary contacts of overload 1 relay operational current of auxiliary contacts of overload relay • at DC at 250 V 5 A act at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay 5A@600VAC (B600), 1A@250VDC (R300) • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value | overload protection phase failure detection asymmetry detection ground fault detection test function | Yes Yes | | |
| • phase failure detection Yes • asymmetry detection Yes • ground fault detection Yes • test function Yes • external reset 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 overload release 13 52 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board 1 number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 5 A • at DC at 250 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 500 V insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips response value of switch disconnector 600 A / 250V design of fuse holder Class R | phase failure detection asymmetry detection ground fault detection test function | Yes Yes | | |
| • asymmetry detection Yes • ground fault detection Yes • external reset Yes • external reset 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 overload release 13 52 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 5 A • at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 600 V insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips operating class of the fuse link Class R degree of protection NEMA rating | asymmetry detection ground fault detection test function | Yes | | |
| • ground fault detection Yes • test function Yes • external reset 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 overload release 13 52 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 600 V insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 500 V Disconnect Switch Class R fuse clips operating class of the fuse lonk Class R degree of protection NEMA rating 4X, 304 stainless steel | ground fault detection test function | | | |
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| • external reset 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 overload release 13 52 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 5 A • at DC at 250 V 1 A condact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) 600 V • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V feago of fuse holder Class R fuse clips operating class of the fuse link Class R feago of fuse holder Class R operating class of the | | Yes | | |
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| trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current- dependent overload release 13 52 A tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board 1 % number of NC contacts of auxiliary contacts of overload relay 1 number of NO contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value 600 V soornext Switch 1 10 response value of switch disconnector 60A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R tencosure 4X, 304 stainless steel | | Yes | | |
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| tripping time at phase-loss maximum 3 s relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 number of NO contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 • at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips response value of switch disconnector 60A / 250V design of fuse holder Class R operating class of the fuse link Class R Enclosure 4X, 304 stainless steel | ustable current response value current of the current- | | | |
| relative repeat accuracy 1 % product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload 1 relay 1 number of NO contacts of auxiliary contacts of overload 1 relay 1 operational current of auxiliary contacts of overload relay 1 • at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips response value of switch disconnector 60A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4X, 304 stainless steel | | 3 s | | |
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| number of NC contacts of auxiliary contacts of overload relay 1 number of NO contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 • at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V • with single-phase operation at AC rated value 600 V • with single-phase operation at AC rated value 600 V • with single-phase operation at AC rated value 600 V • with single-phase operation at AC rated value 600 V • with single-phase operation at AC rated value 600 V • connect Switch Class R fuse clips operating class of the fuse link Class R Enclosure 4X, 304 stainless steel | | Yes | | |
| number of NO contacts of auxiliary contacts of overload relay 1 operational current of auxiliary contacts of overload relay 1 • at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch Class R fuse clips response value of switch disconnector 60A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4X, 304 stainless steel | nber of NC contacts of auxiliary contacts of overload | 1 | | |
| • at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) • with single-phase operation at AC rated value • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch 60A / 250V response value of switch disconnector 60A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4X, 304 stainless steel | nber of NO contacts of auxiliary contacts of overload | 1 | | |
| • at AC at 600 V 5 A • at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL 5A@600VAC (B600), 1A@250VDC (R300) insulation voltage (Ui) • with single-phase operation at AC rated value • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch 60A / 250V response value of switch disconnector 60A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4X, 304 stainless steel | | | | |
| • at DC at 250 V1 Acontact rating of auxiliary contacts of overload relay according to UL5A@600VAC (B600), 1A@250VDC (R300)insulation voltage (Ui)•• with single-phase operation at AC rated value600 V• with multi-phase operation at AC rated value300 VDisconnect Switch60A / 250Vresponse value of switch disconnector60A / 250Vdesign of fuse holderClass R fuse clipsoperating class of the fuse linkClass REnclosure4X, 304 stainless steel | | 5 A | | |
| contact rating of auxiliary contacts of overload relay according to UL5A@600VAC (B600), 1A@250VDC (R300)insulation voltage (Ui) • with single-phase operation at AC rated value600 V• with multi-phase operation at AC rated value300 VDisconnect Switchresponse value of switch disconnectordesign of fuse holder60A / 250Voperating class of the fuse linkClass REnclosuredegree of protection NEMA rating4X, 304 stainless steel | | | | |
| insulation voltage (Ui) 600 V • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch 300 V response value of switch disconnector 60A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4X, 304 stainless steel | tact rating of auxiliary contacts of overload relay | 5A@600VAC (B600), 1A@250VDC (R300) | | |
| with single-phase operation at AC rated value 600 V with multi-phase operation at AC rated value 300 V Disconnect Switch response value of switch disconnector 60A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure degree of protection NEMA rating 4X, 304 stainless steel | - | | | |
| with multi-phase operation at AC rated value 300 V Disconnect Switch response value of switch disconnector 60A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure degree of protection NEMA rating 4X, 304 stainless steel | 3 () | 600 V | | |
| Disconnect Switch response value of switch disconnector 60A / 250V design of fuse holder Operating class of the fuse link Class R Enclosure degree of protection NEMA rating 4X, 304 stainless steel | | | | |
| response value of switch disconnector 60A / 250V design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure 4X, 304 stainless steel | | | | |
| design of fuse holder Class R fuse clips operating class of the fuse link Class R Enclosure degree of protection NEMA rating 4X, 304 stainless steel | | 604 / 250\/ | | |
| operating class of the fuse link Class R Enclosure 4X, 304 stainless steel | | | | |
| Enclosure degree of protection NEMA rating 4X, 304 stainless steel | | | | |
| degree of protection NEMA rating 4X, 304 stainless steel | C C | | | |
| | | AV 204 steisloss steel | | |
| dustproof, waterproof & resistant to corrosion | 5 | | | |
| | 0 | | | |
| Mounting/wiring | | | | |
| mounting position vertical | | | | |
| fastening method Surface mounting and installation | | Surface mounting and installation | | |
| type of electrical connection for supply voltage line-side Box lug | e of electrical connection for supply voltage line-side | Box lug | | |
| tightening torque [lbf·in] for supply 35 35 lbf·in | | 35 35 lbf·in | | |
| type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded 1x (14 2 AWG) | | 1x (14 2 AWG) | | |
| temperature of the conductor for supply maximum 75 °C 75 °C | and the conductor for such the | 75 °C | | |
| material of the conductor for supply AL or CU | | AL or CU | | |
| type of electrical connection for load-side outgoing feeder Box lug | missible | Box lug | | |
| tightening torque [lbf·in] for load-side outgoing feeder 45 45 lbf·in | terial of the conductor for supply | 45 45 lbf in | | |
| type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 1x (14 2 AWG) | terial of the conductor for supply e of electrical connection for load-side outgoing feeder | 1x (14 2 AWG) | | |
| temperature of the conductor for load-side outgoing feeder 75 °C maximum permissible | terial of the conductor for supply e of electrical connection for load-side outgoing feeder tening torque [lbf·in] for load-side outgoing feeder e of connectable conductor cross-sections at AWG les for load-side outgoing feeder single or multi- | | | |

| material of the conductor for load-side outgoing feeder | AL or CU | | | |
|--|---|--|--|--|
| type of electrical connection of magnet coil | Screw-type terminals | | | |
| tightening torque [lbf·in] at magnet coil | 5 12 lbf·in | | | |
| type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded | 2x (16 12 AWG) | | | |
| temperature of the conductor at magnet coil maximum permissible | 75 °C | | | |
| 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 | 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 at 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=US2:17FUF82WH12 | | | | |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17FUF82WH12 | | | | |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17FUF82WH12⟨=en | | | | |
| Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17FUF82WH12/certificate | | | | |

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