# **SIEMENS**

US2:73GT34BFA **Data sheet** 



Figure similar

product brand name design of the product special product feature Enclosed soft starter, Controller 3RW44346BC34, Std. duty rating 75Hp @460V, Std. duty current rating 100A, Control voltage 115 AC, Noncombination type, Enclosure NEMA type 1, Indoor general purpose use

#### Class 73

Enclosed soft starter

Control transformer, built-in overload relay and bypass contactor included.

## General technical data

weight [lb]

Height x Width x Depth [in]

touch protection against electrical shock

installation altitude [ft] at height above sea level maximum ambient temperature [°F]

- during storage
- during operation

ambient temperature

- · during storage
- · during operation

country of origin

87 lb

 $36 \times 18 \times 15 \text{ in}$ 

NA for enclosed products

6560 ft

-22 ... +149 °F

-4 ... +104 °F

-30 ... +65 °C

-20 ... +40 °C

USA

## Power and control electronics

manufacturer's article number of soft starter

number of poles for main current circuit

design of power semiconductors (thyristors) for soft starter

operating range factor supply voltage rated value

operating range factor of control voltage rated value

operating condition for standard duty

operating condition for severe duty

## 3RW44346BC34

3 controlled phases

0.85 ... 1.1

0.85 ... 1.1

Class 10 standard duty (350% of motor FLA for 10 seconds)

Class 20 severe duty (350% of motor FLA for 20 seconds)

### Features and functions

ramp-up (soft starting)/ramp-down (soft stop)

starting voltage [%]

stopping voltage [%]

voltage ramp ramp-up time

ramp-down time

torque control

starting torque [%]

stopping torque [%]

torque limitation [%]

ramp time of torque

adjustable current limitation

creep speed in both directions of rotation

pump ramp down

integrated bypass contact system

# Yes

20 ... 100 %

20 ... 100 %

### Yes

1 ... 360 s

1 ... 360 s

Yes

20 ... 100 %

20 ... 100 %

20 ... 200 %

1 ... 360 s Yes

Yes

Yes

Yes

external isolation contactor infrinsic devise protection Ves in class reset function Manual and automatic Hemistor motor protection inside-delta circuit Ves DC braking Combined braking Wes Combined braking Motor healting Contiguration of control input 1 configuration of control input 2 configuration of control input 3 configuration of control input 2 configuration of control input 3 configuration of control input 3 configuration of control input 3 configuration of control input 4 configuration of relay output 3 configuration of relay output 3 configuration of relay output 4 Factory set as START MOTOR programmable programmable programmable configuration of relay output 4 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 configuration of relay output 4 configuration of relay output 4 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 configuration of relay output 3 configuration of relay output 4 configuration of relay output 4 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 configuration of relay output 4 configuration of relay output 4 configuration output 6 configuration of relay output 4 configuration of relay output 4		
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degree of protection NEMA rating of the enclosure design of the housing type of cooling None  Mounting/wiring  mounting position fastening method Surface mounting and installation  wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  NEMA Type 1 indoors, usable on a general basis None  Vertical  Surface mounting and installation  500 m  Box lug  300 MCM 6 AWG  75 °C  CU  Box lug  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  CU  CU  Screw-type terminals  7 10 lbf-in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage  • at AC at 50 Hz rated value • at AC at 60 Hz rated value	AC 115 V
design of the housing type of cooling  Mounting/wiring  mounting position fastening method wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  indoors, usable on a general basis  None  Vertical  Surface mounting and installation 500 m  Box lug 300 MCM 6 AWG  CU  EV  CU  Box lug  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG  (both front & back)  To °C  CU  Sorew-type terminals  7 10 lbf-in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage  • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure	AC 115 V 115 V
mounting position fastening method wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  Vertical Surface mounting and installation  500 m Box lug  300 MCM 6 AWG  CU  Box lug  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG  (both front & back)  75 °C  CU  screw-type terminals  7 10 lbf-in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage  • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating	AC 115 V 115 V
Mounting/wiring  mounting position fastening method wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder material of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  Vertical Surface mounting and installation  500 m Box lug  300 MCM 6 AWG  CU  Box lug  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  CU  Screw-type terminals  7 10 lbf-in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating degree of protection NEMA rating of the enclosure	AC 115 V 115 V 1 NEMA Type 1
mounting position fastening method wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf·in] for auxiliary and control contacts  Vertical Surface mounting and installation  500 m  Box lug  75 °C  CU  Box lug  90 110 lbf·in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU  CU  screw-type terminals  7 10 lbf·in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage  • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis
fastening method wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables 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 type of electrical connection for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  Surface mounting and installation 500 m Box lug 300 MCM 6 AWG  CU Box lug 90 110 lbf-in 7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  CU screw-type terminals 7 10 lbf-in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage  • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis
wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  500 m  Box lug  300 MCM 6 AWG  CU  Box lug  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU  type of electrical connection for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage  • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing type of cooling	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis
wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  500 m  Box lug  300 MCM 6 AWG  CU  Box lug  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU  type of electrical connection for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None
type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG 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 for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  Box lug  300 MCM 6 AWG  CU  Box lug  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU  CU  Screw-type terminals  7 10 lbf-in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf·in] for auxiliary and control contacts  300 MCM 6 AWG  75 °C  Box lug  90 110 lbf·in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU  800 MCM 6 AWG	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing type of cooling  Mounting/wiring mounting position fastening method	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation
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 at AWG cables for load-side outgoing feeder 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 for auxiliary and control circuit tightening torque [lbf·in] for auxiliary and control contacts  75 °C  CU Box lug 90 110 lbf·in 7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU CU CU CU Screw-type terminals 7 10 lbf·in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing type of cooling  Mounting/wiring  mounting position fastening method wire length between motor starter and motor maximum	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m
permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder 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 for auxiliary and control circuit tightening torque [lbf·in] for auxiliary and control contacts  CU  Box lug  90 110 lbf·in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU  Screw-type terminals  7 10 lbf·in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing type of cooling  Mounting/wiring  mounting position fastening method wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug
permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG 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 for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  CU  Box lug  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU  Screw-type terminals  7 10 lbf-in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing type of cooling  Mounting/wiring  mounting position fastening method wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug
type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder 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 for auxiliary and control circuit tightening torque [lbf·in] for auxiliary and control contacts  Box lug  90 110 lbf·in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing type of cooling  Mounting/wiring  mounting position fastening method wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG
tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU screw-type terminals  7 10 lbf-in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value  Enclosure  degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing type of cooling  Mounting/wiring  mounting position fastening method wire length between motor starter and motor maximum type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG
tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU screw-type terminals  7 10 lbf-in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multistranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf-in] for auxiliary and control contacts  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG  75 °C  CU
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 for auxiliary and control circuit tightening torque [lbf·in] for auxiliary and control contacts  (both front & back)  75 °C  CU screw-type terminals 7 10 lbf·in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  11 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG  75 °C  CU Box lug
temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf·in] for auxiliary and control contacts  75 °C  CU  screw-type terminals  7 10 lbf·in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  11 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG  75 °C  CU Box lug 90 110 lbf·in
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf·in] for auxiliary and control contacts  7 10 lbf·in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  11 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG  75 °C  CU Box lug 90 110 lbf·in 7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG
material of the conductor for load-side outgoing feeder type of electrical connection for auxiliary and control circuit tightening torque [lbf·in] for auxiliary and control contacts  7 10 lbf·in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG  75 °C  CU Box lug 90 110 lbf-in 7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)
type of electrical connection for auxiliary and control circuit tightening torque [lbf·in] for auxiliary and control contacts  7 10 lbf·in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  115 V  1 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG  75 °C  CU Box lug 90 110 lbf-in 7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)
tightening torque [lbf·in] for auxiliary and control contacts 7 10 lbf·in	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  11 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG  75 °C  CU Box lug 90 110 lbf-in 7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)
	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  116 NEMA Type 1  Indoors, usable on a general basis  None  Vertical  Surface mounting and installation  500 m  Box lug  300 MCM 6 AWG  75 °C  CU  Box lug  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU  CU  CU  CU  CU  CU  CU  CU  CU
with screw-type terminals	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  116 NEMA Type 1  Indoors, usable on a general basis  None  Vertical  Surface mounting and installation  500 m  Box lug  300 MCM 6 AWG  75 °C  CU  Box lug  90 110 lbf-in  7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU  CU  CU  CU  CU  CU  CU  CU  CU
	size of contactor  Coil  type of voltage of the control supply voltage control supply voltage	AC  115 V  115 V  11 NEMA Type 1 indoors, usable on a general basis None  Vertical Surface mounting and installation 500 m Box lug 300 MCM 6 AWG  75 °C  CU Box lug 90 110 lbf-in 7 2/0 AWG (front only) or 6 2/0 AWG (back only) or 2x 1/0 AWG (both front & back)  75 °C  CU Screw-type terminals

temperature of the conductor for auxiliary and control contacts maximum permissible	75 °C
material of the conductor for auxiliary and control contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	
● at 240 V	100 kA
● at 480 V	100 kA
● at 600 V	0 kA
certificate of suitability	NEMA ICS 2; UL 508A

## 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=US2:73GT34BFA

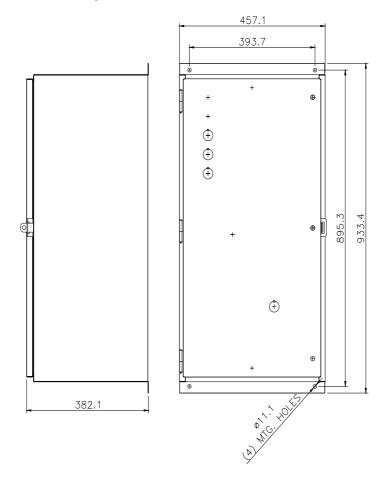
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

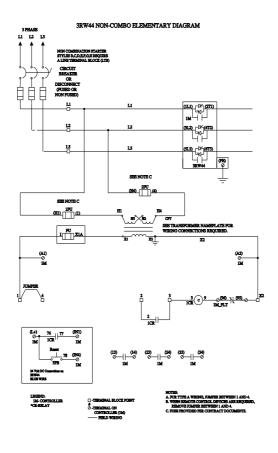
https://support.industry.siemens.com/cs/US/en/ps/US2:73GT34BFA

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=US2:73GT34BFA&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:73GT34BFA&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:73GT34BFA/certificate





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