## SIEMENS

## Data sheet

## US2:73HR34BFA

Enclosed soft starter, Controller 3RW40461BB14, Std. duty rating 50Hp @460V, Std. duty current rating 73A, Control voltage 110-230 AC/DC, Noncombination type, Enclosure NEMA type 1, Indoor general purpose use



Figure similar

product brand name	Class 73
design of the product	Enclosed soft starter
special product feature	Control transformer, built-in overload relay and bypass contactor included.
General technical data	
weight [lb]	57 lb
Height x Width x Depth [in]	25 × 18 × 13 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
<ul> <li>during operation</li> </ul>	-20 +40 °C
country of origin	USA
Power and control electronics	
manufacturer's article number of soft starter	<u>3RW40461BB14</u>
number of poles for main current circuit	3
design of power semiconductors (thyristors) for soft starter control	2 controlled phases
operating range factor supply voltage rated value	0.85 1.1
operating range factor of control voltage rated value	0.85 1.1
operating condition for standard duty	Class 10 standard duty (350% of motor FLA for 10 seconds)
operating condition for severe duty	NA
Features and functions	
ramp-up (soft starting)/ramp-down (soft stop)	Yes
starting voltage [%]	40 100 %
stopping voltage [%]	40 100 %
voltage ramp	Yes
ramp-up time	0 20 s
ramp-down time	0 20 s
torque control	No
adjustable current limitation	Yes
creep speed in both directions of rotation	No
pump ramp down	No
integrated bypass contact system	Yes
external isolation contactor	Yes
intrinsic device protection	Yes

Investigation         1 is as a constant and manual automatic and remote           Investigation         Manual, automatic and remote           Investigation         No           Investigation         No           DC braking         No           Control input 1         ON / OFF           configuration of control input 1         ON / OFF           configuration of control input 1         ON / OFF           configuration of control input 2         NA           configuration of control input 3         NA           configuration of control input 4         ON / PUN           configuration of relay output 3         OVERLGAD / FALURE           configuration of relay output 4         NA           configuration of relay output 3         OVERLGAD / FALURE           configuration of relay output 4         NA           operating measured value display         No           product extension optional lhuman machine interface         No           output of parameter sets         1           error logbook         No           face of output 0         No           forse of output 0         No           for each output 0         No           for each output 0         No           for each output 0         No	overload protection	Yes
reset function         Manual, automatic and remote           Indide della circuit         No           Indide della circuit         No           Contarion         No           Contarion         No           Contarion         No           Contarion         No           Contarion         No           Contarion         No           Configuration of control input 1         ON / CFE           Configuration of control input 2         No           Configuration of control input 3         No           Configuration of control input 2         No           Configuration of relay output 2         No           Configuration of relay output 3         OV/FRUAD / FAILURE           Configuration of relay output 4         No           Configuration of relay output 4         No           Operating measured value display         No           Produce Meanion optional function         No           Operating measured value display         No           Produce Meanion optional function         No           Produce Meanion optional         None           Tase function         No           Itare function         No           Itare function         No	· · · ·	
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number of parameter sets       1         engineering software (Soft Starter ES)       No         disconnector functionality       No         Size of contactor       NA         Contactor       NA         Contactor       NA         Contactor       NA         Contactor       NA         Control supply voltage       AC/DC         • at DC rated value       110 230 V         • at AC at 50 Hz rated value       110 230 V         • at AC at 60 Hz rated value       110 230 V         Enclosure       degree of protection NEMA rating         degree of protection NEMA rating of the enclosure       NEMA Type 1         design of the housing       indoors, usable on a general basis         type of cooling       None         Mounting/wring       Surface mounting and installation         wire length between motor starter and motor maximum       300 m         Type of electrical connection for supply voltage line-side       20 14 AWG         at AWG cables single or multi-stranded       75 °C         material of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       58 58 Ibfin         type of connectable conductor for supply maximum feating for load-side ou		
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Contactor       NA         Coil		
size of contactor NA Coll Type of voltage of the control supply voltage e at DC rated value f at AC at 50 Hz rated value f at AC at 60 Hz rate at at 0 Hz at 1 Hz AC AC at 1 Hz AC AC	disconnector functionality	No
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• at DC rated value       110 230 V         • at AC at 50 Hz rated value       110 230 V         • at AC at 60 Hz rated value       110 230 V         Enclosure       110 230 V         degree of protection NEMA rating       1         design of the housing       indoors, usable on a general basis         type of cooling       None         Mounting/wiring       00 m         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       300 m         type of connectable conductor cross-sections at line-side       2/0 14 AWG         temperature of the conductor for supply voltage line-side       2/0 14 AWG         temperature of the conductor for load-side outgoing feeder       58 58 lbf in         type of connectable conductor cross-sections at AWG       3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)         tightening torque [lbf in] for load-side outgoing feeder       3x (10 1/0 AWG) (both front & back)         temperature of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       3x (10 1/0 AWG) (both front & back)         temperature of the conductor for load-side outgoing feeder <td< td=""><td>type of voltage of the control supply voltage</td><td>AC/DC</td></td<>	type of voltage of the control supply voltage	AC/DC
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• at AC at 60 Hz rated value       110 230 V         Enclosure       1         degree of protection NEMA rating       1         degree of protection NEMA rating of the enclosure       NEMA Type 1         design of the housing       indoors, usable on a general basis         type of cooling       None         Mounting/wiring       mounting position         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       300 m         type of electrical connection for supply voltage line-side       Box lug         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       75 °C         material of the conductor for supply       CU         type of connectable conductor for supply       Edu of the conductor for supply         tightening torque [lbf·in] for load-side outgoing feeder       Box lug         type of connectable conductor for supply       CU         type of connectable conductor for supply       CU         tightening torque [lbf·in] for load-side outgoing feeder       58 58 lbf·in         type of connectable conductor for load-side outgoing feeder       75 °C         tightening torque [lbf·in] for load-side outgoing feeder       75 °C         tightening torque [lbf·in] for load-side outgoing feeder		
Enclosure         degree of protection NEMA rating       1         degree of protection NEMA rating of the enclosure       NEMA Type 1         design of the housing       indoors, usable on a general basis         type of cooling       None         Mounting/wiring       None         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       300 m         type of electrical connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       EV0 14 AWG         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor cross-sections at AWG cables for load-side outgoing feeder       58 58 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       58 58 lbf-in         type of connectable conductor for load-side outgoing feeder       50 °C         tightening torque [lbf-in] for load-side outgoing feeder       58 58 lbf-in         type of connectable conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         maximum permissible       75 °C		110 230 V
degree of protection NEMA rating       1         degree of protection NEMA rating of the enclosure       NEMA Type 1         design of the housing       indoors, usable on a general basis         type of cooling       None         Mounting/wiring       Vertical         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       300 m         type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded       2/0 14 AWG         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       58 58 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       58 58 lbf-in         type of connectable conductor for supply       CU         type of connectable conductor for load-side outgoing feeder       58 58 lbf-in         tightening torque [lbf-in] for load-side outgoing feeder       58 58 lbf-in         type of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       75 °C	at DC rated value	
degree of protection NEMA rating of the enclosure       NEMA Type 1         design of the housing       indoors, usable on a general basis         type of cooling       None         Mounting/wiring       Vertical         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       300 m         type of electrical connection for supply voltage line-side       Box lug         type of connectable conductor cross-sections at line-side       2/0 14 AWG         at AWG cables single or multi-stranded       75 °C         material of the conductor for supply       CU         type of connectable conductor cross-sections at AWG       3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)         tightening torque [lbf-in] for load-side outgoing feeder       75 °C         type of connectable conductor cross-sections at AWG       3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       58 58 lbf in         stranded       3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 .	<ul><li> at DC rated value</li><li> at AC at 50 Hz rated value</li></ul>	110 230 V
design of the housing       indoors, usable on a general basis         type of cooling       None         Mounting/wiring       Indoors, usable on a general basis         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       300 m         type of electrical connection for supply voltage line-side       Box lug         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       2/0 14 AWG         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor cross-sections at AWG cables for load-side outgoing feeder       58 58 lbf in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C	<ul> <li>at DC rated value</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> </ul>	110 230 V
design of the housing       indoors, usable on a general basis         type of cooling       None         Mounting/wiring       Indoors, usable on a general basis         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       300 m         type of electrical connection for supply voltage line-side       Box lug         type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       2/0 14 AWG         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor cross-sections at AWG cables for load-side outgoing feeder       58 58 lbf in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C	<ul> <li>at DC rated value</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> </ul> Enclosure	110 230 V 110 230 V
type of cooling       None         Mounting/wiring       Mounting position       Vertical         mounting position       Surface mounting and installation         wire length between motor starter and motor maximum       300 m         type of electrical connection for supply voltage line-side       Box lug         type of connectable conductor cross-sections at line-side       2/0 14 AWG         at AWG cables single or multi-stranded       2/0 14 AWG         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for supply       CU         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       58 58 lbf-in         type of connectable conductor cross-sections at AWG       3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)         temperature of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       58 58 lbf-in         type of connectable conductor cross-sections at AWG       3x (10 1/0 AWG) (both front & back)         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       75 °C	at DC rated value     at AC at 50 Hz rated value     at AC at 60 Hz rated value     Enclosure     degree of protection NEMA rating	110 230 V 110 230 V 1
Mounting/wiring         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       300 m         type of electrical connection for supply voltage line-side       Box lug         type of connectable conductor cross-sections at line-side       2/0 14 AWG         at AWG cables single or multi-stranded       2/0 14 AWG         temperature of the conductor for supply maximum       75 °C         material of the conductor for supply       CU         type of electrical connection for load-side outgoing feeder       58 58 lbf-in         tightening torque [lbf-in] for load-side outgoing feeder       58 58 lbf-in         type of connectable conductor cross-sections at AWG       3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)         temperature of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       58 58 lbf-in         type of connectable conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C <t< td=""><td>at DC rated value     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</td><td>110 230 V 110 230 V 1 NEMA Type 1</td></t<>	at DC rated value     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	110 230 V 110 230 V 1 NEMA Type 1
mounting positionVerticalfastening methodSurface mounting and installationwire length between motor starter and motor maximum300 mtype of electrical connection for supply voltage line-sideBox lugtype of connectable conductor cross-sections at line-side2/0 14 AWGat AWG cables single or multi-stranded75 °Ctemperature of the conductor for supplyCUtype of electrical connection for load-side outgoing feederBox lugtype of electrical connection for load-side outgoing feeder58 58 lbf intightening torque [lbf-in] for load-side outgoing feeder58 58 lbf intype of connectable conductor for load-side outgoing feeder3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)temperature of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder58 58 lbf intype of connectable conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feeder75 °C	at DC rated value     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	110 230 V 110 230 V 1 NEMA Type 1 indoors, usable on a general basis
fastening methodSurface mounting and installationwire length between motor starter and motor maximum300 mtype of electrical connection for supply voltage line-sideBox lugtype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded2/0 14 AWGtemperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyCUtype of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feederBox lugtype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded300 mtemperature of the conductor for load-side outgoing feeder maximum permissible800 lugtemperature of the conductor for load-side outgoing feeder stranded800 lugtype of connectable conductor for load-side outgoing feeder stranded75 °Ctemperature of the conductor for load-side outgoing feeder maximum permissible75 °Ctemperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder maximum permissible75 °C	at DC rated value     at AC at 50 Hz rated value     at AC at 60 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	110 230 V 110 230 V 1 NEMA Type 1 indoors, usable on a general basis
wire length between motor starter and motor maximum300 mtype of electrical connection for supply voltage line-sideBox lugtype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded2/0 14 AWGtemperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyCUtype of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feederBox lugtype of connectable conductor cross-sections at AWG cables for load-side outgoing feederS8 58 lbf·intype of connectable conductor for load-side outgoing feeder3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)temperature of the conductor for load-side outgoing feeder maximum permissible75 °C	at DC rated value     at AC at 50 Hz rated value     at AC at 60 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	110 230 V 110 230 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-strandedBox lugtemperature of the conductor for supply maximum permissible2/0 14 AWGmaterial of the conductor for supply75 °Ctightening torque [lbf·in] for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder58 58 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder stranded3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder cables for load-side outgoing feeder maximum permissible3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)temperature of the conductor for load-side outgoing feeder maximum permissible75 °C	<ul> <li>at DC rated value</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> </ul> 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	110 230 V 110 230 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-stranded2/0 14 AWGtemperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyCUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder58 58 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)temperature of the conductor for load-side outgoing feeder maximum permissible75 °C	<ul> <li>at DC rated value</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> </ul> 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	110 230 V 110 230 V 1 1 NEMA Type 1 indoors, usable on a general basis None Vertical Surface mounting and installation
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tightening torque [lbf·in] for load-side outgoing feeder58 58 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feederCU	<ul> <li>at DC rated value</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> <li>at AC at 60 Hz rated value</li> </ul> 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 connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	110 230 V 110 230 V 1 1 NEMA Type 1 indoors, usable on a general basis None Vertical Surface mounting and installation 300 m Box lug 2/0 14 AWG 75 °C
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded       3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)         temperature of the conductor for load-side outgoing feeder maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       CU	<ul> <li>at DC rated value</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> <li>at AC at 60 Hz rated value</li> </ul> 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 connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	110 230 V 110 230 V 1 1 NEMA Type 1 indoors, usable on a general basis None Vertical Surface mounting and installation 300 m Box lug 2/0 14 AWG 75 °C
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maximum permissible material of the conductor for load-side outgoing feeder CU	<ul> <li>at DC rated value</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> </ul> 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 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	110 230 V 110 230 V 1 1 NEMA Type 1 indoors, usable on a general basis None Vertical Surface mounting and installation 300 m Box lug 2/0 14 AWG 75 °C CU Box lug
	<ul> <li>at DC rated value</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> </ul> 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 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 type of connectable 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 type of connectable 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 type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	110 230 V 110 230 V 1 1 NEMA Type 1 indoors, usable on a general basis None Vertical Surface mounting and installation 300 m Box lug 2/0 14 AWG 75 °C CU Box lug 58 58 lbf-in 3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x
type of electrical connection for auxiliary and control circuit screw-type terminals	<ul> <li>at DC rated value</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> </ul> 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 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 type of connectable 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 type of connectable 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 type of connectable conductor 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 type of connectable conductor for load-side outgoing feeder type of the conductor for load-side outgoing feeder type of the conductor for load-side outgoing feeder type of the conductor for load-side outgoing fe	110 230 V 110 230 V 1 1 NEMA Type 1 indoors, usable on a general basis None Vertical Surface mounting and installation 300 m Box lug 2/0 14 AWG 75 °C CU Box lug 58 58 lbf-in 3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back)
	<ul> <li>at DC rated value</li> <li>at AC at 50 Hz rated value</li> <li>at AC at 60 Hz rated value</li> </ul> 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 connectable conductor cross-sections at line-side type of conluctor for supply voltage line-side type of connectable 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 type of connectable 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 type of connectable 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 type of connectable conductor for load-side outgoing feeder type of coles for load-side outgoing feeder type of the conductor for load-side outgoing feeder maximum permissible	110 230 V 110 230 V 1 1 NEMA Type 1 indoors, usable on a general basis None Vertical Surface mounting and installation 300 m Box lug 2/0 14 AWG 75 °C CU Box lug 58 58 lbf in 3x (10 1/0 AWG) (front only) or 2x (10 1/0 AWG) (back only) or 1x (10 2/0 AWG) (both front & back) 75 °C

tightening torque [lbf·in] for auxiliary and control contacts with screw-type terminals	7 10 lbf·in	
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	
breaking capacity maximum short-circuit current (Icu)		
• at 240 V	42 kA	
• at 480 V	42 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=US2:73HR34BFA

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

https://support.industry.siemens.com/cs/US/en/ps/US2:73HR34BFA

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:73HR34BFA&lang=en

nttp://www.automation.siemens.com/bilddb/cax\_de.aspx?mitb=US2?73HR34BFA&lang Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:73HR34BFA/certificate

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