## SIEMENS

## Data sheet

## US2:73FT34DFA



Enclosed soft starter, Controller 3RW44271BC34, Std. duty rating 60Hp @460V, Std. duty current rating 82A, Control voltage 115 AC, Noncombination type, Enclosure type 3/3R, Weather proof outdoor use

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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]	80 lb	
Height x Width x Depth [in]	36 × 18 × 15 in	
touch protection against electrical shock	NA for enclosed products	
installation altitude [ft] at height above sea level maximum	6560 ft	
ambient temperature [°F]		
<ul> <li>during storage</li> </ul>	-22 +149 °F	
during operation	-4 +104 °F	
ambient temperature		
<ul> <li>during storage</li> </ul>	-30 +65 °C	
during operation	-20 +40 °C	
country of origin	USA	
Power and control electronics		
manufacturer's article number of soft starter	<u>3RW44271BC34</u>	
number of poles for main current circuit	3	
design of power semiconductors (thyristors) for soft starter control	3 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	Class 20 severe duty (350% of motor FLA for 20 seconds)	
Features and functions		
ramp-up (soft starting)/ramp-down (soft stop)	Yes	
starting voltage [%]	20 100 %	
stopping voltage [%]	20 100 %	
voltage ramp	Yes	
ramp-up time	1 360 s	
ramp-down time	1 360 s	
torque control	Yes	
starting torque [%]	20 100 %	
stopping torque [%]	20 100 %	
torque limitation [%]	20 200 %	
ramp time of torque	1 360 s	
adjustable current limitation	Yes	
creep speed in both directions of rotation	Yes	

Display and yours         Yes           Integrated bypass contact system         Yes           outernal isolation contactor         No           Intrinsic device protection         Yes           Overload protection         Yes           Pro closs         CLASS 5/10/15/20/30           Treast function         Marual and automatic           Permistor mobip protection         Yes           Display to the protection         Yes           Condition of control input 2         Yes           configuration of control input 2         programmable           configuration of control input 3         programmable           configuration of control input 4         Factory set as TRAP RESET           configuration of control input 4         Factory set as GROUP ERROR           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as GROUP ERROR           display version         gearlin display           operating measured value display         Yes           stave porter function         Yes           display revision         gearling display version           gearling display version         Yes           stave porter function         Yes           stave porter function         Yes	nump romp down	Yes
external solution contactor         No           Diffuse device protection         Yes           created protection         Yes           inp class         CLASS 5 1/0 / 15 / 20 / 30           reset function         Manual and automatic           Ihermistar motor protection         Yes           Inside-defa circuit         Yes           Dort having         Yes           combined braking         Yes           comformation of control input 1         Factory set as STAPT NOTOR           configuration of relay output 2         programmable           configuration of relay output 3         programmable           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as GROUP ERROR           degatary versin         graphic display           product extension optional         With optional Proflues or Profinet           operating measured value display         Yes           module         Yes           moruber of parameter sets         3	pump ramp down	
Intrinse device protection         Yes           contrad protection         Yes           CLASS 5 / 10 / 15 / 20 / 30         Image of the		
overload protection         Yes           trip class         CLASS 51 /01 /15 / 20 / 30           reset function         Manual and automatic           fhermistor motor protection         Yes           instad-data crout         Yes           instad-data crout         Yes           combined braking         Yes           combined braking         Yes           comfiguration of control input 1         Packory set as TART MOTOR           configuration of control input 2         programmable           configuration of control input 3         programmable           configuration of control input 4         Factory set as TRAT MOTOR           configuration of relay output 1         Factory set as CRATNE MOTOR           configuration of relay output 1         Factory set as CROUP ERROR           display version         Caraphito indipaky           ording unation of relay output 3         programmable           configuration of relay output 4         Factory set as CROUP ERROR           display version         Caraphito indipaky           opdate contral input 3         Yes           opdate contral input 4         Factory set as CROUP ERROR           display version         Caraphito indipaky           opdate contrelay output 4         Factory set as      <		
Trip class       CLASS 5/10/16/20/30         Premistor motor protoction       Manual and automatic         Phermistor motor protoction       Yes         Inside deta circuit       Yes         Construct       Yes         Combined traking       Yes         Combined traking       Yes         configuration of control Input 1       Featory set as START MOTOR         configuration of control Input 2       programmable         configuration of control Input 4       Featory set as START MOTOR         configuration of relay output 1       Featory set as START MOTOR         configuration of relay output 1       Featory set as START MOTOR         configuration of relay output 1       Featory set as START MOTOR         configuration of relay output 1       Featory set as START MOTOR         configuration of relay output 1       Featory set as CROUP ERROR         diglay version       Graphic display         operating measured value display       Yes         product extension optional muman machine interface       Yes         rand parameter sets       3         size pointer function       Yes         rand parameter sets       3         discore presenter function       Yes         runntber of parameter sets       3		
Image         Manual and automatic           thermistor motor protection         Yes           inside-defa acrual         Yes           inside-defa acrual         Yes           inside-defa acrual         Yes           Combined bracking         Yes           combined bracking         Yes           comfiguration of control input 1         Factory set as START MOTOR           configuration of control input 2         programmable           configuration of control input 3         programmable           configuration of relay output 1         Factory set as CNAT MOTOR           configuration of relay output 1         Factory set as CNAT ME MOTOR           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as CNAT ME MOTOR           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as CNUP ERROR           digitaly version         Graphic display           order beams         Yes           module         Yes           module         Yes           module         Yes           module         Yes           idigitaly version         Yes           configuration of telay output 4		
Inemistor motor protoction         Yes           Inside-defta circuit         Yes           Inside-defta circuit         Yes           DC braking         Yes           Combined braking         Yes           Combined braking         Yes           configuration of control inpul 1         Factory set as START MOTOR           configuration of control inpul 2         programmable           configuration of control inpul 4         Factory set as START MOTOR           configuration of control inpul 4         Factory set as ON-TIME NOTOR           configuration of relay output 1         Factory set as CRUP ERROR           display version         Graphic display           operating measured value display         Yes           opschemistion optional         With optional Profibus or Profinet           event list         Yes           stare of protocol relay output 2         Yes           opschemistion optional         With optional Profibus or Profinet           event list         Yes           stare duration         Yes           stare duration         Yes           uprintering optimet function         Yes           uprintering optimet function         Yes           uprintering optimet function         Yes		
Inside-defla circuit     Yes       Dc brakway pube     Yes       Dc brakway pube     Yes       Combined braking     Yes       configuration of control input 1     Pactary set as START MOTOR       configuration of control input 1     Programmable       configuration of control input 1     Programmable       configuration of control input 1     Programmable       configuration of relay output 2     programmable       configuration of relay output 3     programmable       configuration of relay output 4     Fractory set as CRCUP ERKOR       display version     Graphic display       operating measured value display     Yes       opduct extension optional human machine interface     Yes       module     Yes       orduct extension optional human machine interface     Yes       islow pointer function     Yes       slaw of contactor     Yes       islow contactor     Yes       islow contactor     Yes       islow contactor     Yes       islow of contactor     Yes       islow of contactor     NA       Coll     Operating measured value       islow of contactor     NA       Coll     NA       Coll     NA       Coll     NA       Coll     NA   <		
Preskawy pulse         Yes           DC braking         Yes           combined braking         Yes           condiguation of control input 1         Factory set as START MOTOR           configuration of control input 1         programmable           configuration of control input 4         Factory set as START MOTOR           configuration of control input 4         Factory set as START MOTOR           configuration of control input 4         Factory set as ON-TIME MOTOR           configuration of relay output 2         programmable           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as GROUP ERROR           display version         Graphic display           operating measured value display         Yes           product extension optional human machine interface         Yes           module         Yes           trace function         Yes           save pointer function         Yes           number of parameter sets         3           engineering software (Soft Starker ES)         Yes           disconnector functionality         No           Contactor         NA           Size of contactor         NA           et AC at S0 Hz rated value         115 V <td></td> <td></td>		
DC braking         Yes           combined braking         Yes           configuration of control input 1         Factory set as START MOTOR           configuration of control input 2         programmable           configuration of control input 4         Factory set as START MOTOR           configuration of control input 4         Factory set as CNT RESET           configuration of relay output 1         Factory set as ON-TIME MOTOR           configuration of relay output 3         programmable           configuration of relay output 3         programmable           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as OROUP ERROR           display version         Graphic display           operating measured value display         Yes           product extension optional human machine Interface         Yes           revert list         Yes           slave pointer function         Yes           revert list         3           engineering software (Soft Starter ES)         Yes           stave pointer functionally         No           Social Contoclor         NA           colid         Ypy of voltage of the control supply voltage           of all AC at 60 hz rated value         115 V		
combined braking         Yes           motor heating         Yes           configuration of control input 1         Factory set as START MOTOR           configuration of control input 2         programmable           configuration of control input 4         Factory set as START MOTOR           configuration of relay output 1         Factory set as ON-TIME MOTOR           configuration of relay output 2         programmable           configuration of relay output 4         Factory set as ON-TIME MOTOR           configuration of relay output 4         Factory set as CRUP ERROR           display version         Graphic display           operating measured value display         Yes           product extension optional human machine interface         Yes           module         Yes           module         Yes           isove pointer function         Yes           race function         Yes           isove pointer function         Yes           stace function         Yes           isovened for functionally         No           ocitator         NA           stace functionally         No           ocitator         NA           contactor         NA           contactor         NA		
motor heating         Yes           configuration of control input 1         Factory set as START MOTOR           configuration of control input 2         programmable           configuration of control input 3         programmable           configuration of relay output 1         Factory set as CNTIRE RESET           configuration of relay output 2         programmable           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as GROUP ERROR           display version         Graphic display           operating measured value display         Yes           product extension optional human machine interface         Yes           motor function         Yes           event 1st         Yes           event 1st         Yes           save pointer function         Yes           vibit optional optional         Yes           vibit optional optional optional         Yes           event 1st         Yes           asver pointer function         Yes           event 1st         Yes           disconnector functionality         No           Contactor         NA           col         Optional           yibp of voltage of the control supply voltage		
configuration of control input 1         Factory set as START MOTOR           configuration of control input 2         programmable           configuration of control input 3         programmable           configuration of control input 4         Factory set as TRIP RESET           configuration of relay output 1         Factory set as GRUP RESET           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as GROUP ERROR           configuration of relay output 4         Factory set as GROUP ERROR           display version         operating measured value display           operating measured value display         Yes           product extension optional human machine interface         Yes           module         Yes           software (Golt Starter ES)         Yes           slave pointer function         Yes           race function         Yes           size of control supply voltage         AC           control supply voltage         AC           control supply voltage         AC           control supply voltage         15 V           et at Cat 50 Hz rated value         115 V           et at Cat 50 Hz rated value         115 V           et at Cat 50 Hz rated value         125 V		
configuration of control input 2         programmable           configuration of control input 3         programmable           configuration of control input 4         Factory set as TRIP RESET           configuration of relay output 1         Factory set as ON-TIME MOTOR           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as GROUP ERROR           display version         Graphic display           operating measured value display         Yes           product extension optional human machine interface         Yes           module         Yes           bype of communication optional         With optional Profibus or Profinet           error rogbook         Yes           event list         Yes           size of contactor         Yes           race function         Yes           race function         Yes           race function         Yes           ontactor         NA           contactor         Size of contactor           size of contactor         NA           contactor         NA           contactor         Surface mounting and installation           size of contactor         Na           contactor         Surface moun		
configuration of control input 3         programmable           configuration of control input 4         Factory set as CNNTIME MOTOR           configuration of relay output 1         Factory set as CNNTIME MOTOR           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as CROUP ERROR           display version         Graphic display           operating measured value display         Yes           product extension optional human machine interface         Yes           module         Yes           event list         Yes           event list         Yes           event list         Yes           number of parameter sets         3           engineering software (Soft Starter ES)         Yes           disconnector functionality         No           Control supply voltage         AC           control supply voltage         115 V           e at AC at 50 Hz rated value         115 V           e at AC at 50 Hz rated value         115 V           e at AC at 60 Hz rated value         115 V           e at AC at 60 Hz rated value         115 V           e at AC at 60 Hz rated value         125 V           Enclosure         Surface mounting and installation <td></td> <td></td>		
configuration of relay output 1     Factory set as CRUP RESET       configuration of relay output 2     programmable       configuration of relay output 3     programmable       configuration of relay output 4     Factory set as CRUP ERROR       display version     Graphic display       operating measured value display     Yes       product extension optional human machine interface     Yes       module     Yes       ype of communication optional     With optional Profibus or Profinet       error logbook     Yes       event list     Yes       silve pointer function     Yes       innumber of parameter sets     3       engineering software (Soft Starter ES)     Yes       silze of contactor     NA       Coit     Ype of contactor       Silze of contactor     NA       Coit     Ype of ordelage of the control supply voltage       • at AC at 50 Hz rated value     115 V       • at AC at 50 Hz rated value     115 V       • at AC at 50 Hz rated value     115 V       fastening method     Screw-type terminals       degree of protection NEMA rating     Screw-type terminals       degree of protection NEMA rating     Screw-type terminals       tightnent (cource liceht in for supply     Vertical       fastening method     Surface mounting and		
configuration of relay output 1         Factory set as ON-TIME MOTOR           configuration of relay output 3         programmable           configuration of relay output 4         Factory set as GROUP ERROR           display version         Graphic display           operating measured value display         Yes           product extension optional human machine interface         Yes           module         Yes           option of relay output 4         Factory set as GROUP ERROR           display version         Yes           product extension optional human machine interface         Yes           optional function         Yes           event list         Yes           event list         Yes           number of parameter sets         3           engineering software (Soft Starter ES)         Yes           disconnector functionality         No           Size of contactor         NA           coll         Uppe of voltage of the control supply voltage           e at AC at 60 Hz rated value         115 V           e at AC at 60 Hz rated value         115 V           e at AC at 60 Hz rated value         115 V           e at AC at 60 Hz rated value         115 V           e at AC at 60 Hz rated value         115 V		
configuration of relay output 2       programmable         configuration of relay output 4       Factory set as GROUP ERROR         display version       Graphic display         operating measured value display       Yes         product extension optional human machine interface       Yes         module       Yes         gippe of communication optional       With optional Profibus or Profinet         error logbook       Yes         stave pointer function       Yes         number of parameter sets       3         engineering software (Soft Starter ES)       Yes         disconnector functionality       No         Contactor       NA         size of contactor       NA         control supply voltage       AC         outring using of the control supply voltage       AC         control supply voltage       115 V         etacl s0 Hz rated value       115 V         etal AC at 60 Hz rated value       115 V         etacl s0 Fordection NEMA rating       3, 3R         degree of protection NEMA rating       Moreting/Wring         mounting po	configuration of control input 4	
configuration of relay output 3     programmable       configuration of relay output 4     Factory set as GROUP ERROR       display version     Graphic display       operating measured value display     Yes       product extension optional human machine interface     Yes       module     Yes       error logbook     Yes       event list     Yes       slave pointer function     Yes       number of parameter sets     3       engineering software (Soft Starter ES)     Yes       disconnector functional     Yes       trace function     Yes       size of contactor     NA       Coil     Other transfer       type of voltage of the control supply voltage     AC       control supply voltage     AC       control supply voltage     AC       control supply voltage     AC       degree of protection NEMA rating     4,3/3R       degree of protection NEMA rating     Surface mounting and installation       type of cooling     None       Mounting/viring     Sorew-type terminals       type of cooling     None       Mounting/viring     Sorew-type terminals       type of conductor for supply voltage ine-side     14 AVG       tasten of conductor for supply maximum     50 cm       type of conductor		
configuration of relay output 4       Factory set as GROUP ERROR         display version       Graphic display         operating measured value display       Yes         product extension optional human machine interface       Yes         module       Yes         type of communication optional       With optional Profibus or Profinet         error logbook       Yes         event list       Yes         slave pointer function       Yes         number of parameter sets       3         engineering software (Soft Starter ES)       Yes         disconnector functionality       No         Contactor       NA         Coll          type of contactor       NA         Control supply voltage       AC         control supply voltage       AC         e at AC at 60 Hz rated value       115 V         e at AC at 60 Hz rated value       115 V         Enclosure       NEMA 3/3R         degree of protection NEMA rating       3, 3R         degree of protection NEMA rating       Sufface mounting and installation         type of cooling       None         Mounting/wring       Sorm         mounting position       Vertical         fastening meth		
display version       Graphic display         operating measured value display       Yes         module       Yes         hype of communication optional human machine interface       With optional Profibus or Profinet         error logbook       Yes         event list       Yes         slave pointer function       Yes         race function       Yes         number of parameter sets       3         engineering software (Soft Starter ES)       Yes         disconnector functionality       No         Contactor       NA         colol       Vipe of voltage of the control supply voltage         • at AC at 60 Hz rated value       115 V         • at AC at 60 Hz rated value       115 V         • at AC at 60 Hz rated value       115 V         edgree of protection NEMA rating of the enclosure       NEMA 3/3R         degree of protection NEMA rating       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of electrical connection for supply voltage ine-side       2014 AWG         at AWC cables single or multi-stranded       20	configuration of relay output 3	programmable
operating measured value display       Yes         product extension optional human machine interface       Yes         dype of communication optional       With optional Profibus or Profinet         error logbook       Yes         event list       Yes         slave pointer function       Yes         trace function       Yes         trace function       Yes         inumber of parameter sets       3         engineering software (Soft Starter ES)       Yes         disconnector functionality       No         Contactor       NA         Coll       Type of voltage of the control supply voltage         e at AC at 50 Hz rated value       115 V         e at AC at 60 Hz rated value       115 V         e at AC at 60 Hz rated value       115 V         fedgree of protection NEMA rating       3, 3R         degree of protection NEMA rating of the enclosure       NEMA 3/3R         Mounting/wiring       None         Mounting/wiring       Strace mounting and installation         wire length between motor starter and motor maximum       500 m         type of electrical connection for load-side outgoing feeder       20	configuration of relay output 4	Factory set as GROUP ERROR
produce extension optional human machine interface module       Yes         error logbook       Yes         event list       Yes         event list       Yes         save pointer function       Yes         race function       Yes         number of parameter sets       3         engineering software (Soft Starter ES)       Yes         disconnector functionality       No         Contactor       NA         Size of contactor       NA         Coil       Uppe of voltage of the control supply voltage         e at AC at 60 Hz rated value       115 V         e at AC at 60 Hz rated value       115 V         edgree of protection NEMA rating       3, 3R         degree of protection NEMA rating of the enclosure       NEMA 3/3R         degree of protection NEMA rating of the enclosure       NemA 3/3R         degree of protection NEMA rating of the enclosure       Screw-type terminals         functing/wring       Surface mounting and installation         mounting position       Surface mounting and installation         twire length between motor starter and motor maximum       500 m         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf-in] for supply       20	display version	Graphic display
module       vite of communication optional         type of communication optional       With optional Profibus or Profinet         error logbook       Yes         event list       Yes         slave pointer function       Yes         number of parameter sets       3         engineering software (Soft Starte ES)       Yes         number of parameter sets       3         engineering software (Soft Starte ES)       Yes         disconrector functionality       No         Contactor       NA         Coil       type of voltage of the control supply voltage         control supply voltage       AC         exotta to D Hz rated value       115 V         et AC at 50 Hz rated value       115 V         et Ac at 60 Hz rated value       115 V         et ac at 60 Hz rated value       115 V         degree of protection NEMA rating of the enclosure       NEMA 3/3R         design of the housing       Weather proof for outdoor use         type of electrical connection for supply voltage line-side       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of electrical connection for supply valtage line-side       20 14 AWG         tighthening torque [bf-in] for load-side outgoin	operating measured value display	Yes
error logbook     Yes       event list     Yes       slave pointer function     Yes       number of parameter sets     3       engineering software (Soft Starter ES)     Yes       disconnector functionality     No       Contactor     Starter ES)       size of contactor     NA       Coll     Yppe of voltage of the control supply voltage       • at AC at 50 Hz rated value     115 V       Enclosure     edigree of protection NEMA rating       degree of protection NEMA rating of the enclosure     NAA       degree of protection NEMA rating of the enclosure     NeMA 3/3R       degree of protection NEMA rating of the enclosure     None       Mounting/wiring     Weather proof for outdoor use       type of cooling     None       Mounting position     Surface mounting and installation       wire length between motor starter and motor maximum     500 m       Starter of electrical connection for supply voltage ine-side     210 14 AWG       temperature of the conductor for supply maximum     75 °C       pressible or multi-stranded     End 53 Ibfrin       type of electrical connection for load-side outgoing feeder     36 53 Ibfrin       type of electrical connection for load-side outgoing feeder     36 53 Ibfrin       type of electrical connection for load-side outgoing feeder     36 .		Yes
event list       Yes         slave pointer function       Yes         trace function       Yes         number of parameter sets       3         engineering software (Soft Starter ES)       Yes         disconnector functionality       No         Contactor       size of contactor         size of contactor       NA         Coll       Ype of voltage of the control supply voltage         e ont AC at 50 Hz rated value       115 V         • at AC at 50 Hz rated value       115 V         e at AC at 50 Hz rated value       115 V         degree of protection NEMA rating       3, 3R         degree of protection NEMA rating of the enclosure       NEMA 3/3R         design of the housing       Weather proof for outdoor use         type of colling       None         Mounting/wiring       Mone         Mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of electrical connection for supply       45 45 lbf.in         Vpe of electrical connection for supply maximum       75 °C         material of the conductor for load-side outgoing feeder       36 53 lbf.in         Vpe of	type of communication optional	With optional Profibus or Profinet
slave pointer function       Yes         trace function       Yes         number of parameter sets       3         engineering software (Soft Starter ES)       Yes         disconnector functionality       No         Contactor         NA         Contactor         NA         Control supply voltage         • at AC at 50 Hz rated value       115 V         • at AC at 60 Hz rated value       115 V         ect AC at 60 Hz rated value       115 V         ect AC at 60 Hz rated value       115 V         ect AC at 60 Hz rated value       115 V         MEMA 3/3R         degree of protection NEMA rating       3, 3R         degree of protection NEMA rating of the enclosure       NeIMA 3/3R         design of the housing       Weather proof for outdoor use         type of cooling       None         Mounting/wiring       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of electrical connection for supply voltage 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 <td>error logbook</td> <td>Yes</td>	error logbook	Yes
trace function       Yes         number of parameter sets       3         engineering software (Soft Starter ES)       Yes         disconnector functionality       No         Contactor         NA         Contactor         NA         Contactor         NA         Control supply voltage         • at AC at 50 Hz rated value       115 V         • at AC at 60 Hz rated value       115 V         Enclosure       Gegree of protection NEMA rating       3, 3R         degree of protection NEMA rating of the enclosure       NEMA 3/3R         degree of protection NEMA rating of the enclosure       Neme         Mounting/wiring       Meather proof for outdoor use         mounting position       Vertical         fastening method       Surface mounting and installation         Wire length between motor starter and motor maximum       500 m         type of connectable conductor for supply voltage 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 maximum permissible conductor for supply maximum permissible condu	event list	Yes
number of parameter sets       3         engineering software (Soft Starter ES)       Yes         disconnector functionality       No         Contactor       NA         Contactor       NA         Coil       NA         type of voltage of the control supply voltage       AC         • at AC at 50 Hz rated value       115 V         • at AC at 60 Hz rated value       115 V         Enclosure       degree of protection NEMA rating         degree of protection NEMA rating of the enclosure       Neather proof for outdoor use         type of cooling       None         Mounting/wiring       Weather proof for outdoor use         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of connectable conductor for supply voltage line-side       Screw-type terminals         tightening torque [Ibf-in] for supply       45 45 Ibf in         type of electrical connection for supply maximum       75 °C         material of the conductor for supply       CU         type of connectable conductor cross-sections at line-side       30 fbr in         tightening torque [Ibf-in] for load-side outgoing feeder       36 53 Ibf in	slave pointer function	Yes
engineering software (Soft Starter ES)       Yes         disconnector functionality       No         Contactor       NA         Size of contactor       NA         Coil          type of voltage of the control supply voltage       AC         control supply voltage       AC         • at AC at 50 Hz rated value       115 V         eact at 60 Hz rated value       115 V         Enclosure          degree of protection NEMA rating       3, 3R         degree of protection NEMA rating of the enclosure       NEMA 3/3R         design of the housing       Weather proof for outdoor use         type of cooling       None         Mounting/wiring       None         mounting position       Surface mounting and installation         type of cooling       None         Mounting torque [Ibf-in] for supply voltage line-side       Screw-type terminals         tightening torque [Ibf-in] for supply       45 45 Ibf-in         type of connectable conductor for supply maximum       75 °C         permissible       CU         type of connectable conductor for supply       CU         type of connectable conductor for supply       CU         type of connectable conductor for supply       Soft 53	trace function	Yes
disconnector functionality       No         Contactor       NA         Coil       Image: Control supply voltage         type of voltage of the control supply voltage       AC         control supply voltage       115 V         • at AC at 50 Hz rated value       115 V         Enclosure       115 V         degree of protection NEMA rating       3, 3R         degree of protection NEMA rating of the enclosure       NEMA 3/3R         design of the housing       Weather proof for outdoor use         type of cooling       None         Mounting/wiring       mounting position         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of connectable conductor for supply voltage line-side       Screw-type terminals         tightening orque [lbf-in] for supply       45 45 lbf-in         type of connectable conductor for supply maximum       75 °C         material of the conductor for supply       CU         type of electrical connection for load-side outgoing feeder       36 53 lbf-in         type of connectable conductor for supply       CU         type of connectable conductor for supply       CU         type of electrical connectin for load-side outgoing feeder	number of parameter sets	3
Contactor       NA         Size of contactor       NA         Coil       Image: Control supply voltage       AC         control supply voltage       AC         • at AC at 50 Hz rated value       115 V         • at AC at 60 Hz rated value       115 V         Enclosure       degree of protection NEMA rating of the enclosure         deerge of protection NEMA rating of the enclosure       NEMA 3/3R         design of the housing       Weather proof for outdoor use         type of cooling       None         Mounting/wiring       mounting position         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of connectable conductor for supply voltage line-side       Screw-type terminals         tightening torque [Ibr <sup>1</sup> in] for supply       45 45 Ibr <sup>1</sup> in         type of connectable conductor for supply maximum       75 °C         material of the conductor for supply       CU         type of connectable conductor for supply       CU         type of connectable conductor cross-sections at NeG       36 53 Ibr <sup>1</sup> in         type of connectable conductor for supply       CU         type of electrical connectin for load-side outgo	engineering software (Soft Starter ES)	Yes
size of contactor     NA       Coil       type of voltage of the control supply voltage     AC       control supply voltage     AC       • at AC at 50 Hz rated value     115 V       • at AC at 60 Hz rated value     115 V       Enclosure     degree of protection NEMA rating of the enclosure       degree of protection NEMA rating of the enclosure     NEMA 3/3R       degree of protection NEMA rating of the enclosure     NEMA 3/3R       design of the housing     Weather proof for outdoor use       type of cooling     None       Mounting/wiring     Mounting voltage       mounting position     Vertical       fastening method     Surface mounting and installation       wire length between motor starter and motor maximum     500 m       tightening torque [lbf in] for supply voltage line-side     Screw-type terminals       tightening torque [lbf in] for supply     45 45 lbf in       type of connectable conductor fors spections at line-side     2/0 14 AWG       at AWG cables single or multi-stranded     Euc       temperature of the conductor for load-side outgoing feeder     Box lug       type of connectable conductor cross-sections at AWG     CU       type of connectable conductor cross-sections at AWG     So MxG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)	disconnector functionality	No
Coil         AC           type of voltage of the control supply voltage         AC           control supply voltage         at AC at 50 Hz rated value         115 V           • at AC at 60 Hz rated value         115 V           Enclosure         115 V           degree of protection NEMA rating         3, 3R           design of the housing         Weather proof for outdoor use           type of cooling         None           Mounting/wiring         Vertical           mounting position         Vertical           fastening method         Surface mounting and installation           type of coloning trotaction for supply voltage line-side         Screw-type terminals           tightening torque [lbf-in] for supply         45 45 lbf-in           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 adds (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)	Contactor	
type of voltage of the control supply voltage         AC           control supply voltage         115 V           • at AC at 50 Hz rated value         115 V <b>Enclosure</b> 115 V           degree of protection NEMA rating         3, 3R           degree of protection NEMA rating of the enclosure         NEMA 3/3R           design of the housing         Weather proof for outdoor use           type of cooling         None <b>Mounting/wiring</b> Vertical           mounting position         Vertical           fastening method         Surface mounting and installation           type of electrical connection for supply voltage line-side         Storew-type terminals           tightening torque [lbf-in] for supply         45 45 lbf-in           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 electrical connection for load-side outgoing feeder         36 53 lbf-in           type of connectable conductor cross-sections at AWG         36 53 lbf-in           type of connectable conductor cross-sections at AWG         36 53 lbf-in           type of connectable conductor cross-sections at AWG         36 53 lbf-in	size of contactor	NA
type of voltage of the control supply voltage         AC           control supply voltage         115 V           • at AC at 50 Hz rated value         115 V <b>Enclosure</b> 115 V           degree of protection NEMA rating         3, 3R           design of the housing         Weather proof for outdoor use           type of cooling         None <b>Mounting/wiring</b> Vertical           mounting position         Vertical           fastening method         Surface mounting and installation           type of electrical connection for supply voltage line-side         Store-wype terminals           tightening torque [lbf-in] for supply         45 45 lbf-in           type of electrical connection for supply maximum permissible         75 °C           material of the conductor for supply         CU           type of electrical connection for load-side outgoing feeder         36 53 lbf-in           type of connectable conductor cross-sections at AWG         Sor Wug           tiphtening torque [lbf-in] for load-side outgoing feeder         36 53 lbf-in           type of connectable conductor cross-sections at AWG         36 53 lbf-in           type of connectable conductor cross-sections at AWG         36 53 lbf-in           type of connectable conductor cross-sections at AWG         36.	Coil	
Jin Strate       In Strate         control supply voltage       115 V         • at AC at 50 Hz rated value       115 V         Enclosure       115 V         degree of protection NEMA rating       3, 3R         degree of protection NEMA rating of the enclosure       NEMA 3/3R         design of the housing       Weather proof for outdoor use         type of cooling       None         Mounting/wiring       mounting position         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of connectable conductor for supply voltage line-side       Screw-type terminals         tightening torque [lbf-in] for supply       45 45 lbf-in         type of connectable conductor for supply maximum permissible       75 °C         material of the conductor for supply       CU         type of electrical connection for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       36 53 lbf-in         type of connectable conductor cross-sections at AWG       A 2/0 AWG (back only) or 2x (10 1/0 AWG (back only) or 2x (10 1/0 AWG (both front & back)		AC
• at AC at 50 Hz rated value       115 V         • at AC at 60 Hz rated value       115 V         Enclosure		
• at AC at 60 Hz rated value       115 V         Enclosure       3, 3R         degree of protection NEMA rating of the enclosure       NEMA 3/3R         design of the housing       Weather proof for outdoor use         type of cooling       None         Mounting/wiring       None         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf-in] for supply       45 45 lbf-in         type of electrical conductor for supply maximum permissible       75 °C         material of the conductor for supply       CU         tightening torque [lbf-in] for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       36 53 lbf-in         type of connectable conductor cross-sections at AWG       20 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)		115 V
Enclosure         degree of protection NEMA rating       3, 3R         degree of protection NEMA rating of the enclosure       NEMA 3/3R         design of the housing       Weather proof for outdoor use         type of cooling       None         Mounting/wiring       None         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf-in] for supply       45 45 lbf-in         type of conlectable conductor for supply maximum       75 °C         meterial of the conductor for supply       CU         type of electrical connection for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       36 53 lbf-in         type of connectable conductor cross-sections at AWG       Cables single or multi-         material of the conductor cross-sections at AWG       10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0		
degree of protection NEMA rating       3, 3R         degree of protection NEMA rating of the enclosure       NEMA 3/3R         design of the housing       Weather proof for outdoor use         type of cooling       None         Mounting/wiring       Mounting/wiring         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf-in] for supply       45 45 lbf-in         type of connectable conductor cross-sections at line-side       2/0 14 AWG         at AWG cables single or multi-stranded       T5 °C         material of the conductor for supply maximum permissible       75 °C         material of the conductor for supply       CU         type of electrical connection for load-side outgoing feeder       36 53 lbf-in         type of connectable conductor cross-sections at AWG       36 53 lbf-in         type of connectable conductor cross-sections at AWG       10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)		
degree of protection NEMA rating of the enclosure         NEMA 3/3R           design of the housing         Weather proof for outdoor use           type of cooling         None           Mounting/wiring         None           mounting position         Vertical           fastening method         Surface mounting and installation           wire length between motor starter and motor maximum         500 m           type of electrical connection for supply voltage line-side         Screw-type terminals           tightening torque [lbf-in] for supply         45 45 lbf-in           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 for supply         CU           type of electrical connection for load-side outgoing feeder         36 53 lbf-in           tightening torque [lbf-in] for load-side outgoing feeder         36 53 lbf-in           type of connectable conductor cross-sections at AWG         10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)		0.00
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Mounting/wiring         mounting position       Vertical         fastening method       Surface mounting and installation         wire length between motor starter and motor maximum       500 m         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf·in] for supply       45 45 lbf·in         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 for supply       CU         type of electrical connection for load-side outgoing feeder       Box lug         tightening torque [lbf·in] for load-side outgoing feeder       36 53 lbf·in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-       AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)		
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wire length between motor starter and motor maximum500 mtype of electrical connection for supply voltage line-sideScrew-type terminalstightening torque [lbf·in] for supply45 45 lbf·intype 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 feeder36 53 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)	mounting position	Vertical
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tightening torque [lbf·in] for supply45 45 lbf·intype 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 feeder36 53 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)	wire length between motor starter and motor maximum	500 m
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 for supply       CU         type of electrical connection for load-side outgoing feeder       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       36 53 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-       10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)	type of electrical connection for supply voltage line-side	Screw-type terminals
at AWG cables single or multi-stranded         temperature of the conductor for supply maximum permissible         material of the conductor for supply         CU         type of electrical connection for load-side outgoing feeder         tightening torque [lbf·in] for load-side outgoing feeder         36 53 lbf·in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	tightening torque [lbf·in] for supply	45 45 lbf·in
permissible       CU         material of the conductor for supply       CU         type of electrical connection for load-side outgoing feeder       Box lug         tightening torque [lbf·in] for load-side outgoing feeder       36 53 lbf·in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-       10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)		2/0 14 AWG
type of electrical connection for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder36 53 lbf·intype of connectable conductor cross-sections at AWG10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0cables for load-side outgoing feeder single or multi-AWG) (both front & back)		75 °C
type of electrical connection for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder36 53 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)	material of the conductor for supply	CU
tightening torque [lbf·in] for load-side outgoing feeder36 53 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)		Box lug
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 AWG) (both front & back)		
	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0

temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
material of the conductor for load-side outgoing feeder	CU
type of electrical connection for auxiliary and control circuit	screw-type terminals
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	100 kA
• at 480 V	100 kA
• at 600 V	0 kA
certificate of suitability	NEMA ICS 2; UL 508A
Further information	

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=US2:73FT34DFA

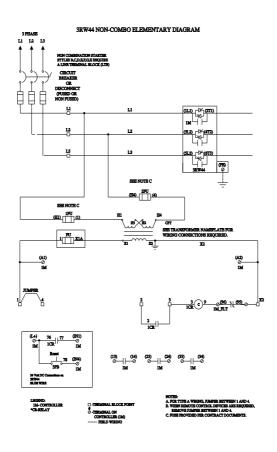
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:73FT34DFA

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <u>http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:73FT34DFA&lang=en</u>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:73FT34DFA/certificate



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