SIEMENS

Data sheet US2:73ET34WFA



Enclosed soft starter, Controller 3RW44261BC34, Std. duty rating 50Hp @460V, Std. duty current rating 68A, Control voltage 115 AC, Noncombination type, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive

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]	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]	
 during storage 	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
during operation	-20 +40 °C
country of origin	USA
Power and control electronics	
manufacturer's article number of soft starter	3RW44261BC34
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

Integrated bypass contact system external isolation contactor intrinsic device protection Ves overload protection Ves overload protection Ves overload protection Ves overload protection Ves CLASS 5 / 10 / 15 / 20 / 30 reset function Manual and automatic thermistor motor protection Ves inside-delta circuit Ves breakaway pulse Ves DC braking Ves combined braking Ves combined braking Ves configuration of control input 1 configuration of control input 2 programmable configuration of control input 2 configuration of control input 3 programmable configuration of relary output 1 Factory set as TRIP RESET configuration of relary output 1 programmable configuration of relary 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 Ves product extension optional human machine interface module Ves slave pointer function Ves slave p	numer verse deure	Vaa
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design of the housing dustproof, waterproof & resistant to corrosion type of cooling None		·
type of cooling None		
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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	111	
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		2/0 14 AWG
temperature of the conductor for supply maximum permissible 75 °C		75 °C
material of the conductor for supply CU	material of the conductor for supply	CU
type of electrical connection for load-side outgoing feeder Box lug	7.7.2	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

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)
main on out required	
design of the short-circuit trip	Thermal magnetic circuit breaker
·	Thermal magnetic circuit breaker
design of the short-circuit trip	Thermal magnetic circuit breaker 100 kA
design of the short-circuit trip breaking capacity maximum short-circuit current (Icu)	
design of the short-circuit trip breaking capacity maximum short-circuit current (Icu) • at 240 V	100 kA
design of the short-circuit trip breaking capacity maximum short-circuit current (Icu) • at 240 V • at 480 V	100 kA 100 kA

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=US2:73ET34WFA

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

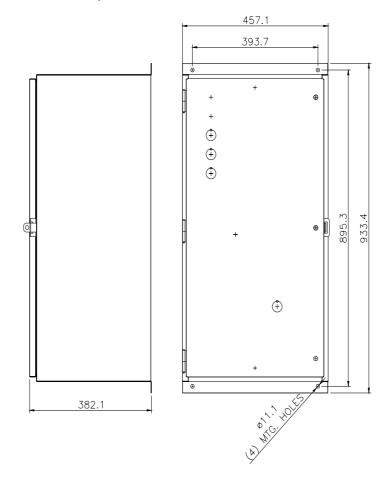
https://support.industry.siemens.com/cs/US/en/ps/US2:73ET34WFA

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:73ET34WFA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:73ET34WFA/certificate



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