SIEMENS

Data sheet

US2:73DT34BFA



Enclosed soft starter, Controller 3RW44251BC34, Std. duty rating 30HP @460V, Std. duty current rating 51A Control voltage 115Vac Enclosure NEMA type 1, Indoor general purpose use

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]	55 lb
Height x Width x Depth [in]	26 × 13 × 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	3RW44251BC34
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

adjustabic current limitation Yes creep specif host directions of rolation Yes pump ramp down Yes integrated types contred system Yes overload protection No intrinsic device protection Yes overload protection Yes intrinsic device protection Yes Containing Yes Containing Yes Containing Yes Configuration of control input 1 Factory set as START MOTOR configuration of relay output 1 programmable configuration of relay output 1 Factory set as START MOTOR configuration of relay output 1 programmable configuration of relay output 1 Factory set as START MOTOR configuration of relay output 1 programmable configuration of relay output 1 Factory set as START MOTOR configuration of relay output 4 Factory set as START MOTOR configuration of relay output 4 Factory set as START MOTOR configuration of relay output 4 Factory set as STAR		_
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at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible		
permissible	at AWG cables single or multi-stranded	
material of the conductor for supply CU		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- stranded	10 2/0 AWG (front only) or 10 2/0 AWG (back only) or 2x (10 1/0 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
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=US2:73DT34BFA

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

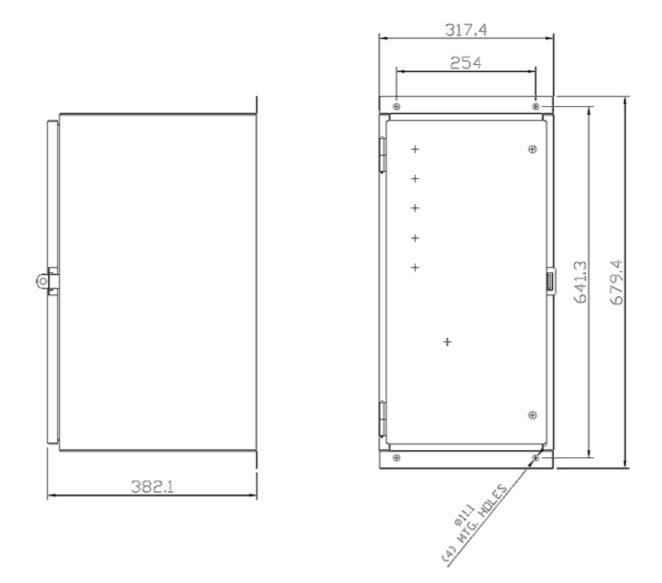
https://support.industry.siemens.com/cs/US/en/ps/US2:73DT34BFA

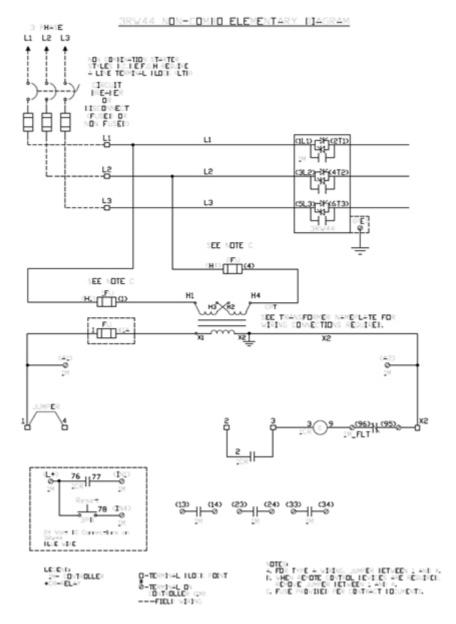
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:73DT34BFA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:73DT34BFA/certificate





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