SIEMENS

Data sheet

US2:73ET36DFA



Enclosed soft starter, Controller 3RW44261BC34, Std. duty rating 20Hp @200V, Std. duty current rating 68A, 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]	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	<u>3RW44261BC34</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

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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
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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		
Industrial Controls - Product Overview (Catalogs, Brochures,) www.usa.siemens.com/iccatalog		

www.usa.siemens.com/iccatalog Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:73ET36DFA

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

https://support.industry.siemens.com/cs/US/en/ps/US2:73ET36DFA

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:73ET36DFA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:73ET36DFA/certificate

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