SIEMENS

Data sheet US2:73KT32DFA



Enclosed soft starter, Controller 3RW44436BC34, Std. duty rating 60Hp @230V, Std. duty current rating 180A, Control voltage 115 AC, Noncombination type, Enclosure type 3/3R, Weather proof outdoor 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]	116 lb	
Height x Width x Depth [in]	36 × 22 × 20 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	3RW44436BC34	
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 overload protection yes CLASS 5 / 10 / 15 / 20 / 30 reset function Manual and automatic thermistor motor protection thermistor motor protection Yes inside-delta circuit Yes DC braking Yes Combined braking Yes Combined braking Yes combined braking Yes configuration of control input 1 configuration of control input 2 configuration of control input 3 configuration of control input 3 configuration of relay output 1 configuration of relay output 1 configuration of relay output 2 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 configuration of relay output 4 configuration of relay output 5 configuration of relay output 6 configuration of relay output 7 configuration of relay output 8 configuration of relay output 9 configuration of relay output 9 configuration of relay output 1 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 configuration of relay output 3 configuration of relay output 3 configuration of relay output 4 configuration of relay output 3 config	numan manan dauun	Voc
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cables for load-side outgoing feeder single or multi- kcmil (both front & back) AWG		
	cables for load-side outgoing feeder single or multi-	

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, J or L)
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

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:73KT32DFA

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

https://support.industry.siemens.com/cs/US/en/ps/US2:73KT32DFA

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:73KT32DFA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:73KT32DFA/certificate

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