SIEMENS

Data sheet US2:73BS35BFA

Enclosed soft starter, Controller 3RW40566BB35, Std. duty rating 150Hp @575V, Std. duty current rating 145A, Control voltage 115 AC, Noncombination type, Enclosure NEMA type 1, Indoor general purpose 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]	85 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	3RW40566BB35	
number of poles for main current circuit	3	
design of power semiconductors (thyristors) for soft starter control	2 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 [%]	40 100 %	
stopping voltage [%]	40 100 %	
voltage ramp	Yes	
ramp-up time	0 20 s	
ramp-down time	0 20 s	
torque control	No	
adjustable current limitation	Yes	
creep speed in both directions of rotation	No	
pump ramp down	No	
integrated bypass contact system	Yes	
external isolation contactor	No	
intrinsic device protection	Yes	

overload protection	Yes
trip class	CLASS 5 / 15 / 20
reset function	Manual, automatic and remote
thermistor motor protection	No
inside-delta circuit	No
breakaway pulse	No
* *	No
DC braking	No
combined braking	
motor heating	No ON COSE
configuration of control input 1	ON / OFF
configuration of control input 2	NA
configuration of control input 3	NA
configuration of control input 4	NA
configuration of relay output 1	ON / RUN
configuration of relay output 2	BYPASSED
configuration of relay output 3	OVERLOAD / FAILURE
configuration of relay output 4	NA
display version	4 LEDs
operating measured value display	No
product extension optional human machine interface module	No
type of communication optional	None
error logbook	No
event list	No
slave pointer function	No
trace function	No
number of parameter sets	1
engineering software (Soft Starter ES)	No
disconnector functionality	No
Contactor	
size of contactor	NA
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
COLLIOI SUDDIA ACITATE	
at AC at 50 Hz rated value	115 V
• at AC at 50 Hz rated value	115 V
at AC at 50 Hz rated valueat AC at 60 Hz rated value	115 V 115 V
 at AC at 50 Hz rated value at AC at 60 Hz rated value Enclosure	115 V
at AC at 50 Hz rated value at AC at 60 Hz rated value Enclosure degree of protection NEMA rating	115 V
at AC at 50 Hz rated value at AC at 60 Hz rated value Enclosure degree of protection NEMA rating degree of protection NEMA rating of the enclosure	115 V 1 NEMA Type 1
at AC at 50 Hz rated value at AC at 60 Hz rated value Enclosure degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing	1 NEMA Type 1 indoors, usable on a general basis
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at AC at 50 Hz rated value at AC at 60 Hz rated value Enclosure degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing type of cooling Mounting/wiring	1 NEMA Type 1 indoors, usable on a general basis None
at AC at 50 Hz rated value at AC at 60 Hz rated value Enclosure degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing type of cooling Mounting/wiring mounting position	1 NEMA Type 1 indoors, usable on a general basis None Vertical
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at AC at 50 Hz rated value at AC at 60 Hz rated value Enclosure degree of protection NEMA rating degree of protection NEMA rating of the enclosure design of the housing type of cooling Mounting/wiring mounting position fastening method wire length between motor starter and motor maximum	1 NEMA Type 1 indoors, usable on a general basis None Vertical Surface mounting and installation 300 m
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with screw-type terminals	
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	50 kA
• at 480 V	50 kA
• at 600 V	50 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=US2:73BS35BFA

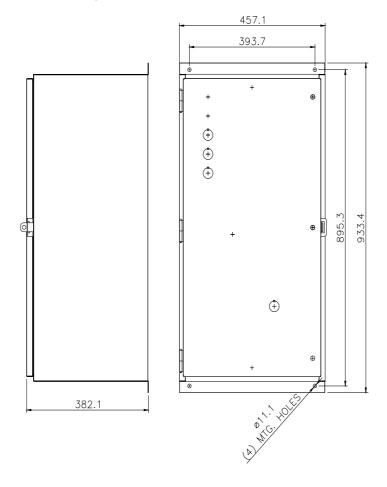
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:73BS35BFA

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:73BS35BFA&lang=en

Certificates/approvals

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last modified: 1/25/2022 🖸