SIEMENS

Data sheet

US2:83CUC95BH



Duplex starter w/o alternator, Size 0, Three phase full voltage, Solid-state overload relay, OLR amp range 3-12A, 380-440/440-480V 50/60Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use

Fig	ure	simi	lar
1.19	ui c	2000	1.04

product brand name	Class 83
design of the product	Duplex controller without alternator
special product feature	ESP200 overload relay
General technical data	
weight [lb]	40 lb
Height x Width x Depth [in]	20 × 16 × 6 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
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	2 hp
• at 220/230 V rated value	2 hp
• at 460/480 V rated value	5 hp
 at 575/600 V rated value 	5 hp
Contactor	
size of contactor	NEMA controller size 0
number of NO contacts for main contacts	3
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
operational current at AC at 600 V rated value	18 A
mechanical service life (switching cycles) of the main contacts typical	1000000
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum	8
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	

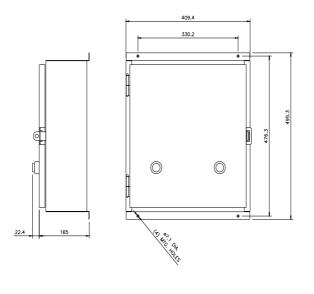
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type of connectable conductor cross-sections of magnet 2x (16 12 AWG)		
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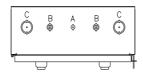
	75.00
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection at contactor for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at contactor for auxiliary contacts	10 15 lbf·in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi- stranded	2x (20 14 AWG)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
material of the conductor at overload relay for auxiliary 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	14 kA
• at 480 V	10 kA
• at 600 V	10 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	
Industrial Controls - Product Overview (Catalogs, Brochu	ures,)
www.usa.siemens.com/iccatalog	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product	t2mlfb=US2:83CUC95BH
Service&Support (Manuals, Certificates, Characteristics,	
https://support.industry.siemens.com/cs/US/en/ps/US2:83CU	
Image database (product images, 2D dimension drawing	is, 3D models, device circuit diagrams, EPLAN macros,)

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:83CUC95BH&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:83CUC95BH/certificate



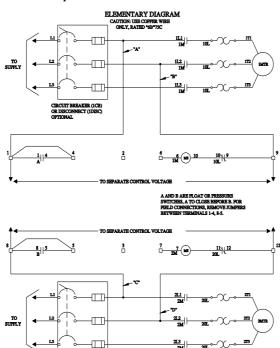


CONDUITS TYP. TOP & BOTTOM

LETTER	CONDUIT SIZE
A	ø12.7 DIA. CONDUIT
В	ø12.7 & ø19 DIA. CONDUIT
С	ø31.8 & ø38.1 DIA. CONDUIT

SCHEMATIC DIAGRAM

Class 83 & 84 Duplex W/Manual Alternation Size 0-4



CIRCUIT I OR DISCO OPTIONAL E OR CPT CO Y OR FIELD MODIF

REAKER (2CB)

last modified:

1/25/2022 🖸

7/6/2022