SIEMENS

Data sheet

US2:LEDH1F003120A

200A disc.non-fusible elec. hel Combination Lighting & heating



Figure similar

General technical data		
Weight [lb]	92 lb	
Height x Width x Depth [in]	46 × 20 × 10 in	
Protection against electrical shock	NA for enclosed products	
Installation altitude [ft] at height above sea level maximum	6560 ft	
Ambient temperature [°F] during storage	-67 +176 °F	
Ambient temperature [°F] during operation	32 104 °F	
Ambient temperature during storage	-55 +80 °C	
Ambient temperature during operation	0 40 °C	
Country of origin	USA	
Contactor		
Number of NO contacts for main contacts	3	
Number of NC contacts for main contacts	0	
Operating voltage for main current circuit at AC at 60 Hz maximum	600 V	
Mechanical service life (switching cycles) of the main contacts typical	1000000	

Contact rating of the main contacts of lighting	
contactor	

contactor	
• at tungsten (1 pole per 1 phase) rated value	200A @277V 1p 1ph
• at tungsten (2 poles per 1 phase) rated value	200A @480V 2p 1ph
• at tungsten (3 poles per 3 phases) rated value	200A @480V 3p 3ph
• at ballast (1 pole per 1 phase) rated value	200A @347V 1p 1ph
 at ballast (2 poles per 1 phase) rated value 	200A @600V 2p 1ph
• at ballast (3 poles per 3 phases) rated value	200A @600V 3p 3ph
 at resistive load (1 pole per 1 phase) rated value 	200A @600V 1p 1ph
 at resistive load (2 poles per 1 phase) rated value 	200A @600V 2p 1ph
 at resistive load (3 poles per 3 phases) rated 	200A @600V 3p 3ph
value	
Auxiliary contact	
Number of NC contacts at contactor for auxiliary	2
contacts	
Number of NO contacts at contactor for auxiliary contacts	2
Number of total auxiliary contacts maximum	4
Contact rating of auxiliary contacts of contactor according to UL	A300 / Q300
-	
Coil	
Type of voltage of the control supply voltage	AC/DC
Control supply voltage	
• at DC rated value	110 127 V
• at AC at 60 Hz rated value	110 127 V
• at AC at 50 Hz rated value	110 127 V
Apparent pick-up power of magnet coil at AC	300 V·A

Apparent pick-up power of magnet con at AC	300 V.A
Apparent holding power of magnet coil at AC	5.8 V·A
Operating range factor control supply voltage rated value of magnet coil	0.85 1.1
Disconnect Switch	
Rated response values of switch disconnector	200A / 600V
Design of fuse holder	non-fusible
Operating class of the fuse link	non-fusible
Enclosure	
Degree of protection NEMA rating of the enclosure	NEMA 1 enclosure
Design of the housing	Indoor general purpose use
Mounting/wiring	

mounting, whiting	
Mounting position	Vertical
(mounting type)	Surface mounting and installation

Type of electrical connection for supply voltage line- side	Box lug
Tightening torque [lbf·in] for supply	275 275 lbf·in
Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded	1x (6 AWG 300 Kcmil)
Temperature of the conductor for supply maximum permissible	75 °C
Material of the conductor for supply	AL or CU
Type of electrical connection for load-side outgoing feeder	Screw-type terminals
Tightening torque [lbf⋅in] for load-side outgoing feeder	90 110 lbf·in
Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded	2x (6 3/0 AWG)
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 of magnet coil	Screw-type terminals
Tightening torque [lbf·in] at magnet coil	7 10 lbf·in
Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi- stranded	2x (18 14 AWG)
Temperature of the conductor at magnet coil maximum permissible	75 °C
Material of the conductor at magnet coil	CU
Short-circuit current rating	
Design of the fuse link for short-circuit protection of the main circuit required	100kA@600V (Class J)
Further information	

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

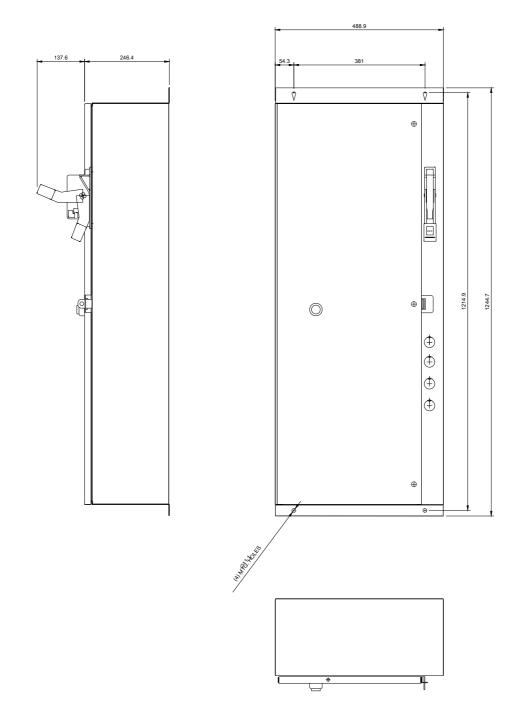
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LEDH1F003120A

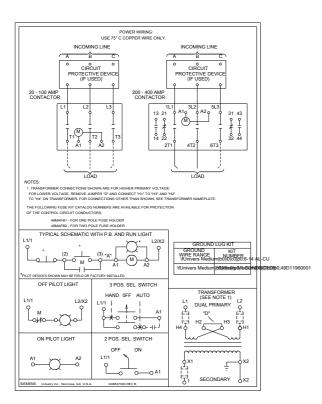
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LEDH1F003120A

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:LEDH1F003120A&lang=en

Certificates/approvals

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