SIEMENS

Data sheet

US2:LEDK2G003120A

400Amp non-fusible elec held Combination Lighting & heating



Figure similar

General technical data	
Weight [lb]	205 lb
Height x Width x Depth [in]	79 × 22 × 13 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	300A @277V 1p 1ph
• at tungsten (2 poles per 1 phase) rated value	300A @480V 2p 1ph
• at tungsten (3 poles per 3 phases) rated value	300A @480V 3p 3ph
 at ballast (1 pole per 1 phase) rated value 	300A @277V 1p 1ph
 at ballast (2 poles per 1 phase) rated value 	300A @480V 2p 1ph
 at ballast (3 poles per 3 phases) rated value 	300A @480V 3p 3ph
 at resistive load (1 pole per 1 phase) rated value 	300A @600V 1p 1ph
 at resistive load (2 poles per 1 phase) rated value 	300A @600V 2p 1ph
• at resistive load (3 poles per 3 phases) rated value	300A @600V 3p 3ph
Auxiliary contact	
Number of NC contacts at contactor for auxiliary contacts	2
Number of NO contacts at contactor for auxiliary contacts	2
Number of total auxiliary contacts maximum	4
Contact rating of auxiliary contacts of contactor	A300 / Q300
according to UL	
according to UL Coil	
-	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	590 V·A
Apparent holding power of magnet coil at AC	6.7 V·A
Operating range factor control supply voltage rated value of magnet coil	0.85 1.1

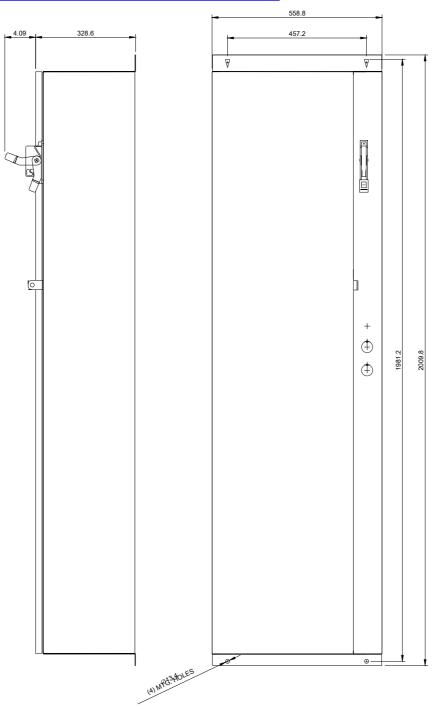
Disconnect Switch		
Rated response values of switch disconnector	400A / 600V	
Design of fuse holder	non-fusible	
Operating class of the fuse link	non-fusible	
Enclosure		
Degree of protection NEMA rating of the enclosure	NEMA 12 enclosure	
Design of the housing	Dust tight and drip proof for indoors	
Mounting/wiring		
Mounting position	Vertical	
(mounting type)	Surface mounting and installation	

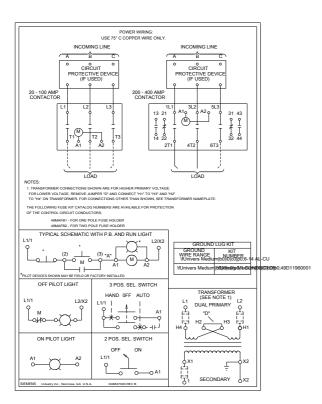
Type of electrical connection for supply voltage line- side	Box lug	
Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded	1x (1/0 AWG 750 Kcmil) or 2x (1/0 AWG 250 Kcmil)	
Temperature of the conductor for supply maximum permissible	75 °C	
Material of the 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	180 195 lbf·in	
Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded	2x (2/0 AWG 500 MCM)	
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	
Type of electrical connection at contactor for auxiliary contacts	Screw-type terminals	
Tightening torque [lbf·in] at contactor for auxiliary contacts	7 10 lbf in	
Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded	2x (18 14 AWG)	
Temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C	
Material of the conductor at contactor for auxiliary contacts	CU	
Short-circuit current rating		
Design of the fuse link for short-circuit protection of	100kA@600V (Class J)	
the main circuit required		
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:LEDK2G003120A		
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:LEDK2G003120A		

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:LEDK2G003120A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LEDK2G003120A/certificate





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