Data sheet

Electrically held lighting contactor, Contactor amp rating 200A, 0 N.C. / 3 N.O. Poles, 600VAC 60HZ coil, Combination type, 200A/600V non-fuse disconnect, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive



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	10000000

Contact rating of the main contacts of lighting 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	200A @600V 1p 1ph
value	2007
• at resistive load (2 poles per 1 phase) rated	200A @600V 2p 1ph
value	
• 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	2
contacts	
Number of total auxiliary contacts maximum	4
Contact rating of auxiliary contacts of contactor	A300 / Q300
according to UL	
Coil	
Type of voltage of the control supply voltage	AC/DC
	AC/DC
Type of voltage of the control supply voltage	AC/DC 575 600 V
Type of voltage of the control supply voltage Control supply voltage	
Type of voltage of the control supply voltage Control supply voltage • at DC rated value	575 600 V
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value	575 600 V 575 600 V
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value	575 600 V 575 600 V 575 600 V
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated	575 600 V 575 600 V 575 600 V 300 V·A
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC	575 600 V 575 600 V 575 600 V 300 V·A 5.8 V·A
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated	575 600 V 575 600 V 575 600 V 300 V·A 5.8 V·A
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil	575 600 V 575 600 V 575 600 V 300 V·A 5.8 V·A
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Disconnect Switch	575 600 V 575 600 V 575 600 V 300 V·A 5.8 V·A 0.85 1.1
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Disconnect Switch Rated response values of switch disconnector	575 600 V 575 600 V 575 600 V 300 V·A 5.8 V·A 0.85 1.1
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Disconnect Switch Rated response values of switch disconnector Design of fuse holder	575 600 V 575 600 V 575 600 V 300 V·A 5.8 V·A 0.85 1.1
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Disconnect Switch Rated response values of switch disconnector Design of fuse holder Operating class of the fuse link	575 600 V 575 600 V 575 600 V 300 V·A 5.8 V·A 0.85 1.1
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Disconnect Switch Rated response values of switch disconnector Design of fuse holder Operating class of the fuse link Enclosure	575 600 V 575 600 V 300 V·A 5.8 V·A 0.85 1.1
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Disconnect Switch Rated response values of switch disconnector Design of fuse holder Operating class of the fuse link Enclosure Degree of protection NEMA rating of the enclosure Design of the housing	575 600 V 575 600 V 300 V·A 5.8 V·A 0.85 1.1 200A / 600V non-fusible non-fusible NEMA 4X 304 stainless steel enclosure
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Disconnect Switch Rated response values of switch disconnector Design of fuse holder Operating class of the fuse link Enclosure Degree of protection NEMA rating of the enclosure Design of the housing Mounting/wiring	575 600 V 575 600 V 300 V·A 5.8 V·A 0.85 1.1 200A / 600V non-fusible non-fusible NEMA 4X 304 stainless steel enclosure
Type of voltage of the control supply voltage Control supply voltage at DC rated value at AC at 60 Hz rated value at AC at 50 Hz rated value Apparent pick-up power of magnet coil at AC Apparent holding power of magnet coil at AC Operating range factor control supply voltage rated value of magnet coil Disconnect Switch Rated response values of switch disconnector Design of fuse holder Operating class of the fuse link Enclosure Degree of protection NEMA rating of the enclosure Design of the housing	575 600 V 575 600 V 300 V·A 5.8 V·A 0.85 1.1 200A / 600V non-fusible non-fusible NEMA 4X 304 stainless steel enclosure Dust-tight, watertight & corrosion resistant

Type of electrical connection for supply voltage lineside	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:LEDH4F003600A

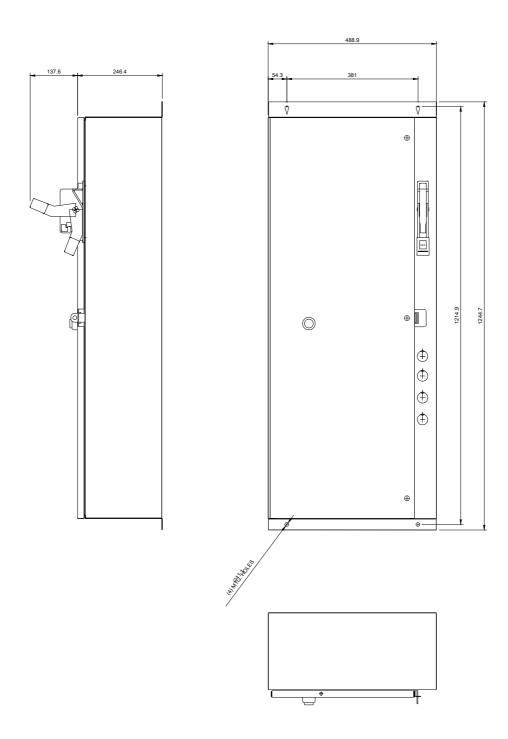
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

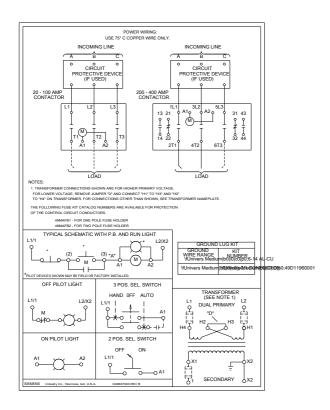
https://support.industry.siemens.com/cs/US/en/ps/US2:LEDH4F003600A

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:LEDH4F003600A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LEDH4F003600A/certificate





D46637003

last modified: 05/20/2019