## SIEMENS

## Data sheet

## US2:LCE01C801600A

Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 8 N.C. / 1 N.O. poles, 575-600V 60Hz/550V 50Hz coil, Noncombination type, Enclosure NEMA type 1, Indoor general purpose use



product brand name     Class LC       design of the product     Electrically held lighting contactor (convertible to mechanically held)       general technical data     Electrically held convertible to mechanically held. Power poles convertible between NO and NC       weight [b]     11 lb       Height x Width x Depth [n]     14 × 8 × 7 in       Stock protection against electrical shock     NA for enclosed products       installation altitude [ft] at height above sea level maximum     6660 ft       ambient temperature [rF]     -3+104 °F       - during operation     -3+104 °F       - during operation     -25+40 °C       - during operation     -25+40 °C       contactor     30 Amp       number of NC contacts for main contacts     8       operating voltage for main contacts     8       operating voltage for main contacts     9       optical full of the main contacts     Silver alloy, double break       mechanical service life (operating cycles) of the main contacts     Silver alloy, double break       out ungsten (2 poles per 1 phase) rated value     20A @277V 1p 1ph       et at bials (2 poles per 1 phase) rated value     20A @20V 2p 1ph       et a bialis (2 poles per 1 phase) rated value     30A @600V 2p 3ph       et a bialis (2 poles per 1 phase) rated value     30A @600V 2p 3ph       et a bialist (2 poles per 1 phase) rated value     3		
special product feature         Electrically held convertible to mechanically held; Power poles convertible           General technical data         Illebween NO and NC           General technical data         Illebween NO and NC           General technical data         Illebween NO and NC           General technical data         Illeb           Height X Widh X Deph [in]         Illeb           Usch protection sgainst electrical shock         NA for enclosed products           installation altitude [i] at height above sea level maximum         6600 ft           ambient temperature [F]         -22 +149 "F           • during storage         -30 +65 "C           • during storage         -30	product brand name	Class LC
Between NO and NC           General technical data           weight [b]         11 lb           Height x Width x Depth [in]         14 x 8 x 7 in           Touch protection against electrical shock         NA for enclosed products           installation atlifued [it] at height above sea level maximum         6660 ft           ambient temperature ['F]         -22+149 'F           • during storage         -22+149 'F           • during storage         -30+65 'C           • during storage         -30 Amp           rumb	design of the product	Electrically held lighting contactor (convertible to mechanically held)
weight [b]       11 lb         Height x Width x Depth [in]       14 × 8 × 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [it] at height above sea level maximum       6660 ft         ambient temperature [iF]       -         • during operation       -13 +104 'F         ambient temperature       -         • luring operation       -25 +40 °C         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       1         number of NC contacts for main contacts       1         operating voltage for main contacts       8         operating voltage for main contacts       1         number of NC contacts for main contacts       8         operating voltage for main contacts       1         number of NC contacts of lighting contactor       100000         vipical       100000         vipical       20A @277V 1p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @2477V 1p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value	special product feature	
Height XWidh x Depth [in]       14 x 8 x 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature [°F]       -22 +149 °F         • during operation       -13 +104 °F         ambient temperature       -23 +169 °C         • during operation       -25 +40 °C         • outry of origin       USA         Contactor       30 Amp         number of NO contacts for main contacts       1         number of NO contacts for main contacts       8         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       100000         'ypical       100000         contact rating of the main contacts       100000         • with electronic ballest [LED driver] (1 pole per 1 phase)       10A @120V / 3A @277V 1p 1ph         • at tungsten (1 pole per 1 phase) rated value       20A @480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 3p 3ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 3p 3ph	General technical data	
Jouch protection against electrical shock         NA for enclosed products           installation altitude [ft] at height above sea level maximum         6560 ft           ambient temperature ['F]         -           • during storage         -13 +104 "F           ambient temperature         -13 +104 "F           ambient gopration         -13 +104 "F           ambient gopration         -25 +40 °C           country of origin         USA           Contactor         30 Amp           size of contacts for main contacts         1           number of NC contacts for main contacts         1           number of NC contacts for main contacts         8           operating voltage for main current circuit at AC at 60 Hz         Silver alloy, double break           Type of main contacts         1           reacting of the main contacts         1           ottage for main current circuit at AC at 60 Hz         500 V           maximum         600 V           Type of main contacts         1           reacting of the main contacts         1           reacting of the main contacts         100000           vipical         200 Q480V 2p tph           e at ungsten (2 poles per 1 phase) rated value         20A Q480V 2p tph           e at ung	weight [lb]	11 lb
Installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature ['F]       -22 +149 "F         • during operation       -13 +104 "F         ambient temperature       -30 +65 °C         • during operation       -25 +40 °C         country of origin       USA         Contactor       30 Amp         size of contacts for main contacts       1         number of NC contacts for main contacts       1         number of NC contacts for main contacts       8         operating voltage for main current circuit at AC at 60 Hz       500 V         maximum       5000 V         maximum       100000         Type of main contacts       8         contact rating of the main contacts       1         • with electronic ballast [LED driver] (1 pole per 1 phase)       10A @120V / 3A @277V 1p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 3p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         • at balast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at balast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at balast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at balast (2 poles per 1 phase) rated value <td>Height x Width x Depth [in]</td> <td>14 × 8 × 7 in</td>	Height x Width x Depth [in]	14 × 8 × 7 in
amblent temperature [*F] <ul> <li>during storage</li> <li>22 +149 *F</li> <li>during operation</li> <li>13 +104 *F</li> </ul> amblent temperature <ul> <li>during operation</li> <li>25 +40 *C</li> <li>country of origin</li> <li>USA</li> </ul> Contactor <ul> <li>ablent temperature</li> <li>during operation</li> <li>25 +40 *C</li> <li>country of origin</li> <li>USA</li> </ul> Contactor <ul> <li>ablent temperature</li> <li>during operation</li> <li>25 +40 *C</li> <li>country of origin</li> <li>USA</li> </ul> Contactor <ul> <li>available to the contacts for main contacts</li> <li>1</li> <li>number of NO contacts for main contacts</li> <li>8</li> <li>operating voltage for main contacts</li> <li>8</li> <li>operating voltage for main contacts</li> <li>100000</li> <li>Vipical</li> </ul> contact rating of the main contacts of lighting contactor <ul> <li>with electronic ballast [LED driver] (1 pole per 1 phase) rated value</li> <li>at tungsten (2 poles per 1 phase) rated value</li> <li>at tungsten (2 poles per 1 phase) rated value</li> <li>at ablast (1 pole per 1 phase) rated value</li> <li>at ablast (2 poles per 1 phase) rated value</li> <li>adv @480V 3p 3ph</li> <li>at ablast (2 poles per 1 phase) rate</li></ul>	touch protection against electrical shock	NA for enclosed products
• during storage       -22 +149 °F         • during operation       -13 +104 °F         ambient temperature       -13 +104 °F         • during operation       -25 +65 °C         • during operation       -25 +40 °C         country of origin       USA         Contactor       30 Amp         size of contactor main contacts       1         number of NC contacts for main contacts       8         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       footoot         Type of main contacts       8         operating of the main contacts of lighting contactor       100000         • with electronic ballast [LED driver] (1 pole per 1 phase)       10A @120V / 3A @277V 1p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 3p 3ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 3p 3ph         • at ballast (1 pole per 1 phase) rated value       20A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph <t< td=""><td>installation altitude [ft] at height above sea level maximum</td><td>6560 ft</td></t<>	installation altitude [ft] at height above sea level maximum	6560 ft
• during operation       -13 +104 "F         ambient temperature       -30 +65 °C         • during operation       -25 +40 °C         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       1         number of NC contacts for main contacts       8         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       Type of main contacts       8         Type of main contacts       Silver alloy, double break         mechanical service life (operating cycles) of the main contacts       100000         vib th electronic ballast [LED driver] (1 pole per 1 phase)       10A @120V / 3A @277V 1p 1ph         at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 3p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at esistive load (1 pole per 1 phase) rated value       30A @600V 3p 3ph         • at resistive load (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at resistive load (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at resistive load (2 poles per 1 phase) rated value       30	ambient temperature [°F]	
ambient temperature       -30 +65 °C         • during storage       -30 +65 °C         • during operation       -25 +40 °C         country of origin       USA         Contactor       30 Amp         number of NO contacts for main contacts       1         number of NC contacts for main contacts       8         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       100000         Type of main contacts       Silver alloy, double break         mechanical service life (operating cycles) of the main contacts       100000         vpriate value       20A @277V 1p 1ph         e at tungsten (1 pole per 1 phase) rated value       20A @480V 2p 1ph         e at tungsten (2 poles per 3 phases) rated value       20A @480V 2p 1ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         e at resistive load (1 pole per 1 phase) rated value       30A @600V 3p 3ph         e at resistive load (2 poles per 1 phase) rated value       30A @600V 3p 3ph         e at resistive load (2 poles per 1 phase) rated value       30A @600V 3p 3ph         e at resistive load (2 poles per 1 phase) rated	during storage	-22 +149 °F
• during storage       -30 +65 °C         • during operation       -25 +40 °C         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       1         number of NC contacts for main contacts       8         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       100000         Type of main contacts       Silver alloy, double break         mechanical service life (operating cycles) of the main contacts       100000         vpiral       100000         value       20A @277V 1p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         • at tungsten (3 poles per 3 phases) rated value       20A @347V 1p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (3 poles per 3 phases) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (3 poles per 3 phases) rated value       30A @600V 3p 3ph	during operation	-13 +104 °F
• during operation       -25 +40 °C         country of origin       USA         Contactor       30 Amp         number of NC contacts for main contacts       1         number of NC contacts for main contacts       1         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         Type of main contacts       5ilver alloy, double break         mechanical service life (operating cycles) of the main contacts       100000         vpical       100000         contact rating of the main contacts of lighting contactor       • with electronic ballast [LED driver] (1 pole per 1 phase)         rated value       20A @277V 1p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 3ph         • at ballast (1 pole per 1 phase) rated value       20A @480V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (3 poles per 3 phases) rated value       30A @600V 3p 3ph         • at resistive load (1 pole per 1 phase) rated value       30A @600V 2p 1ph         • at resistive load (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at resistive load (2 poles per 3 phases) rated value       30A @600V 2p 1ph	ambient temperature	
country of origin     USA       Contactor     30 Amp       number of NO contacts for main contacts     1       number of NC contacts for main contacts     8       operating voltage for main current circuit at AC at 60 Hz     600 V       maximum     Silver alloy, double break       mechanical service life (operating cycles) of the main contacts     100000       typical     100000       contact rating of the main contacts of lighting contactor     • with electronic ballast [LED driver] (1 pole per 1 phase) rated value       • at tungsten (1 pole per 1 phase) rated value     20A @277V 1p 1ph       • at tungsten (2 poles per 1 phase) rated value     20A @480V 2p 1ph       • at ballast (1 pole per 1 phase) rated value     20A @480V 2p 1ph       • at ballast (2 poles per 1 phase) rated value     20A @480V 3p 3ph       • at ballast (2 poles per 1 phase) rated value     30A @600V 2p 1ph       • at ballast (2 poles per 1 phase) rated value     30A @600V 2p 1ph       • at ballast (3 poles per 3 phases) rated value     30A @600V 2p 1ph       • at resistive load (2 poles per 1 phase) rated value     30A @600V 2p 1ph       • at resistive load (2 poles per 1 phase) rated value     30A @600V 2p 1ph       • at resistive load (2 poles per 3 phases) rated value     30A @600V 2p 1ph       • at resistive load (2 poles per 1 phase) rated value     30A @600V 3p 3ph       • at resistive load (2 poles per 3 ph	during storage	-30 +65 °C
Contactor       30 Amp         number of NO contacts for main contacts       1         number of NC contacts for main contacts       8         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         Type of main contacts       Silver alloy, double break         mechanical service life (operating cycles) of the main contacts       100000         typical       100000         contact rating of the main contacts of lighting contactor       • with electronic ballast [LED driver] (1 pole per 1 phase)         e at tungsten (1 pole per 1 phase) rated value       20A @277V 1p 1ph         e at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         e at ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         e at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         e at ballast (2 poles per 3 phases) rated value       30A @600V 2p 1ph         e at ballast (3 poles per 3 phases) rated value       30A @600V 2p 1ph         e at ballast (3 poles per 3 phases) rated value       30A @600V 2p 1ph         e at resistive load (1 pole per 1 phase) rated value       30A @600V 3p 3ph         e at resistive load (2 poles per 3 phases) rated value       30A @600V 3p 3ph         e at resistive load (2 poles per 3 phases) rated value       30A @600V 3p 3ph <t< td=""><td>during operation</td><td>-25 +40 °C</td></t<>	during operation	-25 +40 °C
size of contactor       30 Amp         number of NO contacts for main contacts       1         number of NC contacts for main contacts       8         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         Type of main contacts       Silver alloy, double break         mechanical service life (operating cycles) of the main contacts typical       100000         contact rating of the main contacts of lighting contactor       10A @120V / 3A @277V 1p 1ph         • with electronic ballast [LED driver] (1 pole per 1 phase) rated value       20A @277V 1p 1ph         • at tungsten (1 pole per 1 phase) rated value       20A @480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 3p 3ph         • at ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at ballast (3 poles per 3 phases) rated value       30A @600V 2p 1ph         • at resistive load (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph         • at resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph         • at resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph         • at resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph <td>country of origin</td> <td>USA</td>	country of origin	USA
number of NO contacts for main contacts       1         number of NC contacts for main contacts       8         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         Type of main contacts       Silver alloy, double break         mechanical service life (operating cycles) of the main contacts       100000         typical       100000         contact rating of the main contacts of lighting contactor       •         • with electronic ballast [LED driver] (1 pole per 1 phase) rated value       20A @277V 1p 1ph         • at tungsten (1 pole per 1 phase) rated value       20A @480V 2p 1ph         • at tungsten (2 poles per 1 phase) rated value       20A @480V 2p 1ph         • at ballast (1 pole per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at ballast (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at resistive load (1 pole per 1 phase) rated value       30A @600V 3p 3ph         • at resistive load (2 poles per 1 phase) rated value       30A @600V 3p 3ph         • at resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph </td <td>Contactor</td> <td></td>	Contactor	
number of NC contacts for main contacts8operating voltage for main current circuit at AC at 60 Hz maximum600 VType of main contactsSilver alloy, double breakmechanical service life (operating cycles) of the main contacts typical100000contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value10A @120V / 3A @277V 1p 1ph• at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 1 phase) rated value20A @480V 2p 1ph• at tungsten (3 poles per 3 phases) rated value30A @600V 2p 1ph• at ballast (1 pole per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 3p 3ph• at ballast (3 poles per 3 phases) rated value30A @600V 2p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3	size of contactor	30 Amp
operating voltage for main current circuit at AC at 60 Hz maximum600 VType of main contactsSilver alloy, double breakmechanical service life (operating cycles) of the main contacts typical100000contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value10A @120V / 3A @277V 1p 1ph• at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 1 phase) rated value20A @480V 2p 1ph• at tungsten (3 poles per 3 phases) rated value20A @480V 3p 3ph• at ballast (1 pole per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 3 phases) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at csistive load (1 pole per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (5 poles per 3 phases) rated value	number of NO contacts for main contacts	1
maximumSilver alloy, double breakType of main contactsSilver alloy, double breakmechanical service life (operating cycles) of the main contacts typical100000contact rating of the main contacts of lighting contactor10A @120V / 3A @277V 1p 1ph• with electronic ballast [LED driver] (1 pole per 1 phase) rated value10A @120V / 3A @277V 1p 1ph• at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 1 phase) rated value20A @480V 2p 1ph• at tungsten (3 poles per 3 phases) rated value20A @480V 3p 3ph• at ballast (1 pole per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (1 pole per 1 phase) rated value30A @600V 2p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (5 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (5 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (5 poles per 3 phases) ra	number of NC contacts for main contacts	8
mechanical service life (operating cycles) of the main contacts typical100000contact rating of the main contacts of lighting contactor • with electronic ballast [LED driver] (1 pole per 1 phase) rated value10A @120V / 3A @277V 1p 1ph• at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 1 phase) rated value20A @480V 2p 1ph• at tungsten (3 poles per 3 phases) rated value20A @480V 3p 3ph• at ballast (1 pole per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 2p 1ph• at resistive load (1 pole per 1 phase) rated value30A @600V 2p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (1 pole per 1 phase) rated value30A @600V 3p 3ph• at resistive load (2 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load for auxiliary contacts0number of NO contacts for auxiliary contacts0		600 V
typicaltypicalcontact rating of the main contacts of lighting contactor• with electronic ballast [LED driver] (1 pole per 1 phase) rated value10A @120V / 3A @277V 1p 1ph• at tungsten (1 pole per 1 phase) rated value20A @277V 1p 1ph• at tungsten (2 poles per 1 phase) rated value20A @480V 2p 1ph• at tungsten (3 poles per 3 phases) rated value20A @480V 3p 3ph• at ballast (1 pole per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 2p 1ph• at resistive load (1 pole per 1 phase) rated value30A @600V 2p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (5 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (5 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (5 poles per 3 phases) rated value30A @600V 3p 3ph• at re	Type of main contacts	Silver alloy, double break
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<ul> <li>at ballast (2 poles per 1 phase) rated value</li> <li>at ballast (3 poles per 3 phases) rated value</li> <li>at resistive load (1 pole per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (2 poles per 1 phase) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive load (3 poles per 3 phases) rated value</li> <li>at resistive rate value</li> <li>at rate value</li> <li>at rate value</li> <li>at resistive rate value</li></ul>	<ul> <li>at tungsten (3 poles per 3 phases) rated value</li> </ul>	20A @480V 3p 3ph
• at ballast (3 poles per 3 phases) rated value       30A @600V 3p 3ph         • at resistive load (1 pole per 1 phase) rated value       30A @600V 1p 1ph         • at resistive load (2 poles per 1 phase) rated value       30A @600V 2p 1ph         • at resistive load (3 poles per 3 phases) rated value       30A @600V 3p 3ph         Auxiliary contact       30A @600V 3p 3ph         number of NC contacts for auxiliary contacts       0         number of NO contacts for auxiliary contacts       0	<ul> <li>at ballast (1 pole per 1 phase) rated value</li> </ul>	30A @347V 1p 1ph
• at resistive load (1 pole per 1 phase) rated value         30A @600V 1p 1ph           • at resistive load (2 poles per 1 phase) rated value         30A @600V 2p 1ph           • at resistive load (3 poles per 3 phases) rated value         30A @600V 3p 3ph           Auxiliary contact         30A @600V 3p 3ph           number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0	<ul> <li>at ballast (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
• at resistive load (2 poles per 1 phase) rated value         30A @600V 2p 1ph           • at resistive load (3 poles per 3 phases) rated value         30A @600V 3p 3ph           Auxiliary contact         30A @600V 3p 3ph           number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0	<ul> <li>at ballast (3 poles per 3 phases) rated value</li> </ul>	30A @600V 3p 3ph
• at resistive load (3 poles per 3 phases) rated value         30A @600V 3p 3ph           Auxiliary contact	• at resistive load (1 pole per 1 phase) rated value	30A @600V 1p 1ph
Auxiliary contact       number of NC contacts for auxiliary contacts     0       number of NO contacts for auxiliary contacts     0	<ul> <li>at resistive load (2 poles per 1 phase) rated value</li> </ul>	30A @600V 2p 1ph
number of NC contacts for auxiliary contacts     0       number of NO contacts for auxiliary contacts     0	• at resistive load (3 poles per 3 phases) rated value	30A @600V 3p 3ph
number of NO contacts for auxiliary contacts 0	Auxiliary contact	
	number of NC contacts for auxiliary contacts	0
number of total auxiliary contacts maximum 4	number of NO contacts for auxiliary contacts	0
	number of total auxiliary contacts maximum	4

contact rating of auxiliary contacts of contactor according to UL	NA
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
at AC at 50 Hz rated value	550 V
• at AC at 60 Hz rated value	575 600 V
apparent pick-up power of magnet coil at AC	248 VA
apparent holding power of magnet coil at AC	28 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA Type 1
design of the housing	indoors, usable on a general basis
Mounting/wiring	
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf·in] for supply	35 35 lbf·in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (14 8 AWG)
temperature of the conductor for supply maximum permissible	75 °C
material of the conductor for supply	CU
type of electrical connection for load-side outgoing feeder	Screw-type terminals
tightening torque [lbf·in] for load-side outgoing feeder	35 35 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (14 8 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	15 15 lbf·in
type of connectable conductor cross-sections of magnet coil for AWG cables 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 R or J 40A max)
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (lcu)	
• at 240 V	24 kA
• at 480 V	65 kA
• at 600 V	25 kA
certificate of suitability	NEMA ICS 2; UL 508
Further information	

Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

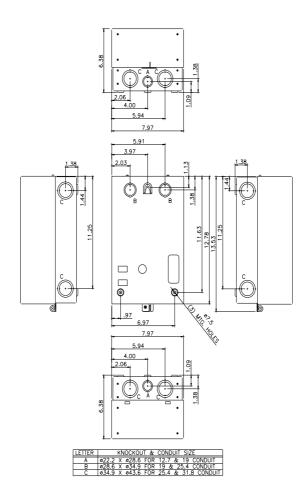
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE01C801600A

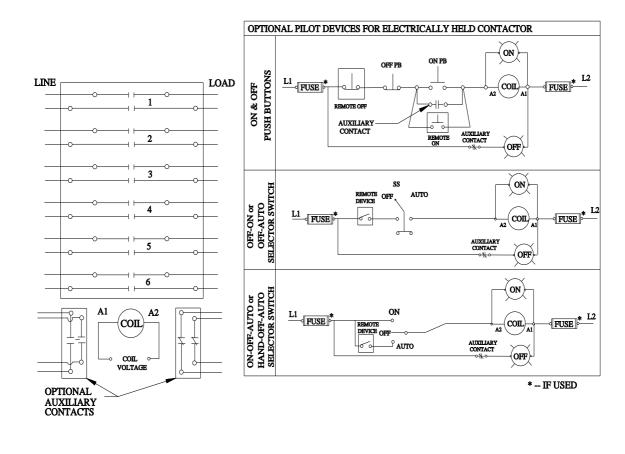
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C801600A

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:LCE01C801600A&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:LCE01C801600A/certificate





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7/10/2023