SIEMENS

Data sheet

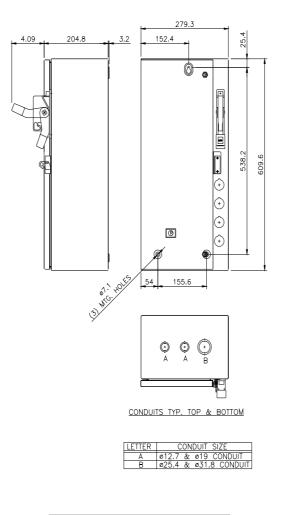
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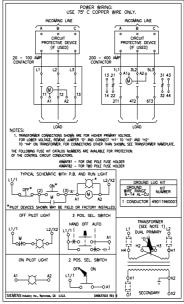


Electrically held lighting contactor, Contactor amp rating 20A, 0 N.C. / 3 N.O. Poles, 198VAC 50HZ/208VAC 60HZ coil, Combination type, 30A/600V fusible disconnect, Enclosure NEMA type 1, Indoor general purpose use

design of the product Electrically held lighting contactor with fusble disconnect switch special product feature Compact design; Finger safe control terminals General technical data	needuat brand name	Class LE
special product feature Compact design; Finger safe control terminals General technical data	•	
Centeral technical data 99 lb Height X Width X Depth [in] 24 × 11 × 8 in Cuch protection against electrical shock NA for enclosed products installation altitude [it] at height above sea level maximum 6560 ft ambient temperature ['F] -67 +176 'F - during operation 32 104 'F ambient temperature -65 +80 'C - during operation 0 40 'C country of origin USA Contactor 20 Amp number of NO contacts for main contacts 0 operating voltage for main current circuit at AC at 60 Hz maximum 600 V mechanical service life (operating cycles) of the main contacts 30000000 repaint voltage for protecting solution (1 pole per 1 phase)) rated value 20A @277V 1p 1ph et tungsten (1 pole per 1 phase) rated value 20A @480V 2p 1ph et tungsten (2 poles per 1 phase) rated value 20A @480V 2p 3ph et at balast (1 poles per 1 phase) rated value 20A @600V 2p 1ph et at balast (2 poles per 1 phase) rated value 20A @600V 2p 1ph et at esistive load (1 poles per 1 phase) rated value 20A @600V 2p 1ph et resistive load (2 poles per 1 phase) rated value 20A @600V 2p 1ph </td <td></td> <td></td>		
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• during operation 0 40 °C country of origin USA Contactor	ambient temperature	
country of origin USA Contactor 20 Amp number of NO contacts for main contacts 3 number of NO contacts for main contacts 0 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V mechanical service life (operating cycles) of the main contacts 30000000 typical 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 (3 poles per 3 phases) rated value 20A @600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 20A @600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 20A @600V 2p 1ph • at ballast (2 poles per 1 phase) rated value 20A @600V 2p 3ph • at ballast (3 poles per 3 phases) rated value 20A @600V 2p 3ph • at resistive load (1 pole per 1 phase) rated value 20A @600V 2p 1ph • at resistive load (2 poles per 1 phase) rated value 20A @600V 2p 1ph • at resistive load (2 poles per 3 phases) rated value 20A @600V 2p 3ph • at resistive load (3 poles per 3 phases) rated value 20A @600V 3p 3ph	 during storage 	-55 +80 °C
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maximummechanical service life (operating cycles) of the main contacts typical30000000contact rating of the main contacts of lighting contactor30000000• with electronic ballast [LED driver] (1 pole per 1 phase) rated value8A @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 value20A @480V 2p 1ph• at ballast (2 poles per 1 phase) rated value20A @600V 2p 1ph• at ballast (2 poles per 1 phase) rated value20A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value20A @600V 2p 1ph• at resistive load (1 pole per 1 phase) rated value20A @600V 2p 1ph• at resistive load (2 poles per 1 phase) rated value20A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value20A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value20A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value20A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value20A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value20A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value20A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value20A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value20A @600V 3p 3ph• at resistive load (2 poles per 1 phase) rated value20A @600V 3p 3ph <td>number of NC contacts for main contacts</td> <td>0</td>	number of NC contacts for main contacts	0
typicalcontact 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• at tungsten (2 poles per 1 phase) rated value• at tungsten (2 poles per 1 phase) rated value• at tungsten (2 poles per 1 phase) rated value• at tungsten (2 poles per 3 phases) rated value• at ballast (1 pole per 1 phase) rated value• at ballast (2 poles per 1 phase) rated value• at ballast (2 poles per 1 phase) rated value• at ballast (2 poles per 1 phase) rated value• at ballast (2 poles per 1 phase) rated value• at ballast (2 poles per 1 phase) rated value• at ballast (2 poles per 1 phase) rated value• at resistive load (1 pole per 1 phase) rated value• at resistive load (2 poles per 1 phase) rated value• at resistive load (2 poles per 1 phase) rated value• at resistive load (3 poles per 3 phases) rated value• at resistive load (3 poles per 3 phases) rated value• at resistive load (3 poles per 3 phases) rated value• at resistive load (3 poles per 3 phases) rated value• at resistive load (3 poles per 3 phases) rated value• at mumber of NC contacts at contactor for auxiliary contacts• number of NO contacts at contactor for auxiliary contacts• number of total auxiliary contacts maximum• contact rating of auxiliary contacts of contactor according to UL• A600 / Q600		600 V
 with electronic ballast [LED driver] (1 pole per 1 phase) rated value at tungsten (1 pole per 1 phase) rated value at tungsten (2 poles per 1 phase) rated value at tungsten (2 poles per 1 phase) rated value at tungsten (3 poles per 3 phases) rated value at ballast (1 pole per 1 phase) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 3 phases) rated value at cesistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts of contactor according to UL A600 / Q600 		3000000
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 at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at contacts at resistive load (3 poles per 3 phases) rated value at contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL A600 / Q600 	 at tungsten (2 poles per 1 phase) rated value 	20A @480V 2p 1ph
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• at ballast (3 poles per 3 phases) rated value20A @600V 3p 3ph• at resistive load (1 pole per 1 phase) rated value20A @600V 1p 1ph• at resistive load (2 poles per 1 phase) rated value20A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value20A @600V 3p 3phAuxiliary contact20A @600V 3p 3phnumber of NC contacts at contactor for auxiliary contacts0number of NO contacts at contactor for auxiliary contacts1number of total auxiliary contacts maximum4contact rating of auxiliary contacts of contactor according to ULA600 / Q600	 at ballast (2 poles per 1 phase) rated value 	20A @600V 2p 1ph
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• at resistive load (3 poles per 3 phases) rated value 20A @600V 3p 3ph 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 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	 at resistive load (1 pole per 1 phase) rated value 	20A @600V 1p 1ph
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 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	 at resistive load (2 poles per 1 phase) rated value 	20A @600V 2p 1ph
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 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	• at resistive load (3 poles per 3 phases) rated value	20A @600V 3p 3ph
number of NO contacts at contactor for auxiliary contacts 1 number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	Auxiliary contact	
number of NO contacts at contactor for auxiliary contacts 1 number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600	number of NC contacts at contactor for auxiliary contacts	0
number of total auxiliary contacts maximum 4 contact rating of auxiliary contacts of contactor according to UL A600 / Q600		1
contact rating of auxiliary contacts of contactor according to UL A600 / Q600		
	Coil	

type of voltage of the control supply voltage	AC
control supply voltage	
• at AC at 50 Hz rated value	198 V
• at AC at 60 Hz rated value	208 V
apparent pick-up power of magnet coil at AC	31.7 VA
apparent holding power of magnet coil at AC	4.8 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
Disconnect Switch	
response value of switch disconnector	30A / 600V
design of fuse holder	Class R fuse clips
operating class of the fuse link	Class R
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA 1 enclosure
design of the housing	indoors, usable on a general basis
Mounting/wiring	
	Martinel
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Box lug
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	1x (14 2 AWG)
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	7 12 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (20 16 AWG), 2x (18 14 AWG), 2x 12 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 for AWG cables single or multi-stranded	2x (20 16 AWG), 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 12 lbf in
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded	2x (20 16 AWG), 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 the main	100kA@600V (Class R or J)
circuit required certificate of suitability	
Further information	NEMA ICS 2; UL 508
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