SIEMENS

Data sheet US2:87IUH6LC



Pump control panel, Size 3 1/2, Three phase full voltage, Solid-state overload relay, OLR amp range 50-200A, 220-240/440-480VAC 60Hz coil, Standard type contactor, 200A fusible disconnect, 200A/250V fuse clip, HOA Sel Sw. <(>&<)> Start P.B., Enclosure NEMA type 3/3R, Weather proof outdoor use

Figure similar

product brand name	Class 87
design of the product	Pump control panel with fused disconnect switch
special product feature	Half-size controller; ESP200 overload relay; Dual voltage coil
General technical data	
weight [lb]	81 lb
Height x Width x Depth [in]	41 × 24 × 8 in
touch protection against electrical shock	NA for enclosed products
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
during storage	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
during operation	-20 +40 °C
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	30 hp
 at 220/230 V rated value 	40 hp
• at 460/480 V rated value	0 hp
• at 575/600 V rated value	0 hp
Contactor	
size of contactor	Controller half size 3 1/2
number of NO contacts for main contacts	3
operating voltage for main current circuit at AC at 60 Hz maximum	240 V
operational current at AC at 600 V rated value	115 A
mechanical service life (switching cycles) of the main contacts typical	5000000
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	7
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	

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operating class of the fuse link Enclosure degree of protection NEMA rating of the enclosure design of the housing Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button yes type of start push button yes type of start push button Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for supply material of the conductor for supply type of electrical connection for load-side outgoing feeder Meather type 3R NEMA Type 3R Weather proof for outdoor use 30mm metal housing with matte finish Yes types type of start push button Yes 1 vertical Surface mounting and installation Box lug 1 x (6 AWG 300 Kcmil) 1 x (6 AWG 300 Kcmil) 1 x (6 AWG 300 Kcmil) 4 L or CU Box lug		200A / 250V
degree of protection NEMA rating of the enclosure design of the housing Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch yes type of Hand-Off-Auto selector switch yes type of start push button Mounting/wiring mounting position fastening method type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder type of electrical connection for load-side outgoing feeder MEMA Type 3R Weather proof for outdoor use NEMA Type 3R Weather proof for outdoor use Sufface noutdoor use Summ metal housing with matte finish Yes Surface mounting with matte finish Enclosure Vertical Surface mounting and installation Box lug 1x (6 AWG 300 Kcmil) AL or CU Box lug Box lug Box lug To °C Box lug Box lug Box lug	design of fuse holder	Class H fuse clips
degree of protection NEMA rating of the enclosure design of the housing Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button Weather proof for outdoor use Samm metal housing with matte finish yes type of start push button Wounting/wiring mounting position fastening method surface mounting and installation type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder MEMA Type 3R Weather proof for outdoor use NEMA Type 3R Weather proof for outdoor use Summ metal housing with matte finish Yes 10 Summ metal housing with matte finish Vertical Surface mounting and installation 1x (6 AWG 300 Kcmil) 1x (6 AWG 300 Kcmil) AL or CU Box lug	operating class of the fuse link	Class H, K and R
design of the housing Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder weather proof for outdoor use Weather proof for outdoor use Yes 30mm metal housing with matte finish Vertical Surface mounting and installation 1x (6 AWG 300 Kcmil) Type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible Material of the conductor for supply AL or CU type of electrical connection for load-side outgoing feeder Box lug	Enclosure	
Standard Control Devices product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch product component start push button type of start push button Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for supply material of the conductor for supply type of electrical connection for load-side outgoing feeder material of the connection for load-side outgoing feeder Somm metal housing with matte finish Vertical Surface mounting and installation Box lug 1x (6 AWG 300 Kcmil) AL or CU type of electrical connection for load-side outgoing feeder Box lug	degree of protection NEMA rating of the enclosure	NEMA Type 3R
product component Hand-Off-Auto selector switch type of Hand-Off-Auto selector switch 30mm metal housing with matte finish product component start push button type of start push button 30mm metal housing with matte finish Mounting/wiring mounting position fastening method Surface mounting and installation type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder Material of the conduction for load-side outgoing feeder Box lug	design of the housing	Weather proof for outdoor use
type of Hand-Off-Auto selector switch product component start push button type of start push button Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply material of the conductor for supply type of electrical connection for load-side outgoing feeder Mounting/wiring Vertical Surface mounting and installation Box lug 1x (6 AWG 300 Kcmil) 75 °C AL or CU type of electrical connection for load-side outgoing feeder Box lug	Standard Control Devices	
product component start push button type of start push button 30mm metal housing with matte finish Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder Box lug 1x (6 AWG 300 Kcmil) 75 °C AL or CU type of electrical connection for load-side outgoing feeder Box lug	product component Hand-Off-Auto selector switch	Yes
type of start push button Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder 30mm metal housing with matte finish Vertical Surface mounting and installation Box lug 1x (6 AWG 300 Kcmil) 75 °C AL or CU Box lug	type of Hand-Off-Auto selector switch	30mm metal housing with matte finish
Mounting/wiring Vertical fastening method 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 cables 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 Box lug	product component start push button	Yes
mounting position fastening method Surface mounting and installation type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder Vertical Surface mounting and installation 1x (6 AWG 300 Kcmil) 75 °C AL or CU Box lug	type of start push button	30mm metal housing with matte finish
fastening method type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder Surface mounting and installation Box lug 1x (6 AWG 300 Kcmil) 75 °C AL or CU Box lug	Mounting/wiring	
type of electrical connection for supply voltage line-side type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder Box lug 1x (6 AWG 300 Kcmil) 75 °C AL or CU Box lug	mounting position	Vertical
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder 1x (6 AWG 300 Kcmil) 75 °C AL or CU Box lug	fastening method	Surface mounting and installation
at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder at AWG cables single or multi-stranded 75 °C AL or CU Box lug	type of electrical connection for supply voltage line-side	Box lug
permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder Box lug		1x (6 AWG 300 Kcmil)
type of electrical connection for load-side outgoing feeder Box lug	• • • • • • • • • • • • • • • • • • • •	75 °C
	material of the conductor for supply	AL or CU
tightening torque [lbf·in] for load-side outgoing feeder 120 120 lbf·in	type of electrical connection for load-side outgoing feeder	Box lug
	tightening torque [lbf·in] for load-side outgoing feeder	120 120 lbf·in

type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	1x (14 2/0 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
material of the conductor for load-side outgoing feeder	AL or CU
type of electrical connection of magnet coil	Screw-type terminals
tightening torque [lbf·in] at magnet coil	5 12 lbf·in
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	2x (16 12 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	10 15 lbf·in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi- stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded	2x (20 14 AWG)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)
certificate of suitability	NEMA ICS 2; UL 508
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=US2:87IUH6LC

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:87IUH6LC

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:87IUH6LC&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:87IUH6LC/certificate

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