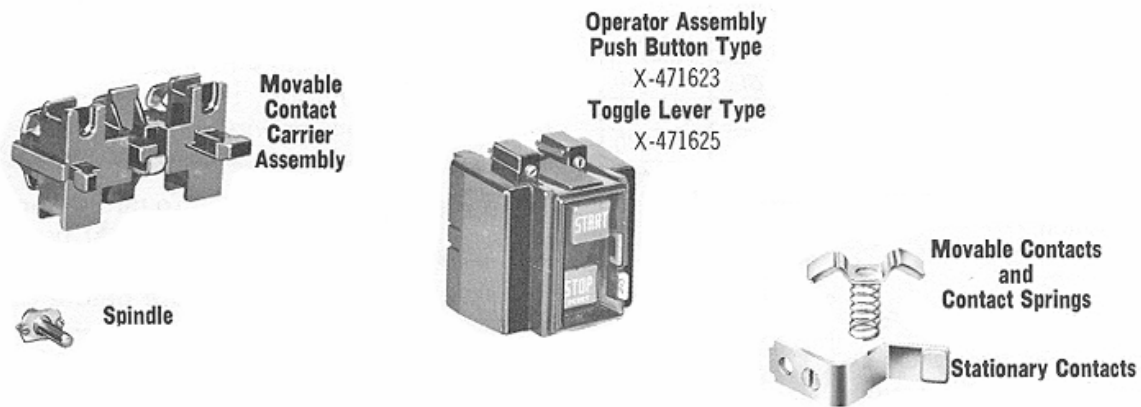


609U & 609TU Manual Starting Switches for AC Motors

Renewal Parts

Open Style (less enclosure) - 3 Phase and Single Phase Devices

Figure 1



Renewal Parts for Figure 1

(catalog number 609U-AOD series F is illustrated in Figure 1)

609U = pushbutton operator 609TU = toggle lever operator

Three Phase Devices

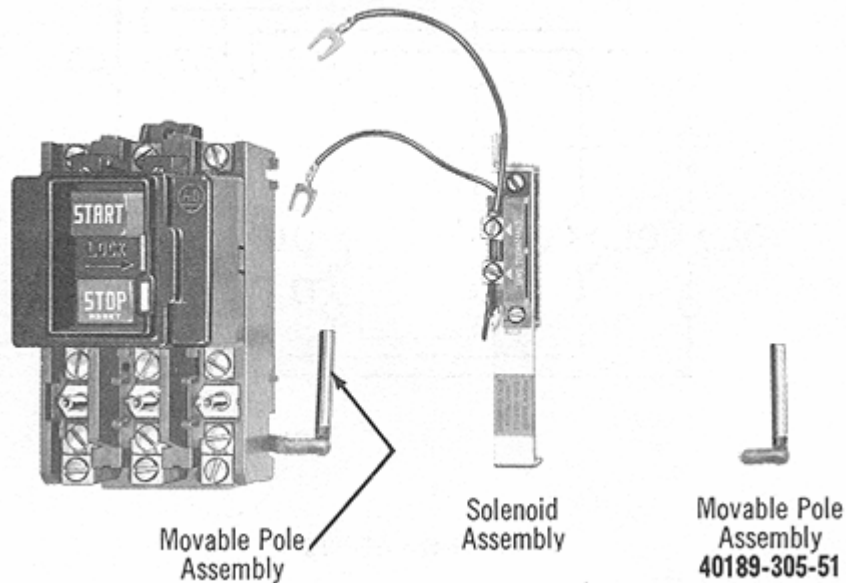
Renewal Part Description	Catalog Number of the Complete Device (** = coil voltage suffix code)			
	609(T)U-AO** Series F	609(T)U-BO** Series F	609(T)U-AO** Series G	609(T)U-BO** Series G
	Renewal Part Numbers		Renewal Part Numbers	
Base Assembly	Not Available	Not Available	Not Available	Not Available
Terminal Clamp Assembly	X-225492	X-225492	X-225492	X-225492
Spindle	Not Available	Not Available	Does Not Apply	Does Not Apply
Pawl Slide Assembly	40189-300-51	40189-300-51	40189-300-51	40189-300-51
Movable Pole Assembly	40189-305-51	40189-305-51	40189-305-51	40189-305-51
Movable Contact Carrier Assembly ①	X-331099	X-331096	X-331099	X-331096
Complete Contact Kit ②	Z-31911	Z-31913	Z-31911	Z-31913
Operator Assembly: Pushbutton Type	X-471623	X-471623	X-471623	X-471623
Operator Assembly: Toggle Lever Type	X-471625	X-471625	X-471625	X-471625

Single Phase Devices

Renewal Part Description	Catalog Number of the Complete Device (** = coil voltage suffix code)		
	609(T)U-AOX** Series E-F-G	609(T)U-BOX** Series E-F-G	609(T)U-XOX** Series E-F-G
	Renewal Part Numbers		
Base Assembly	Not Available	Not Available	Not Available
Terminal Clamp Assembly	X-225492	X-225492	X-225492
Spindle	Not Available	Not Available	Not Available
Pawl Slide Assembly	40189-300-51	40189-300-51	40189-300-51
Movable Pole Assembly	40189-305-51	40189-305-51	40189-305-51
Movable Contact Carrier Assembly ①	X-331099	X-331096	X-331096
Complete Contact Kit ②	Z-31910	Z-31912	Z-31914
Operator Assembly: Pushbutton Type	X-471623	X-471623	X-471623
Operator Assembly: Toggle Lever Type	X-471625	X-471625	X-471625

① Movable contact carrier assembly does not include movable contacts and springs.

② Includes stationary, movable contacts and springs for entire device.

609U & 609TU Manual Starting Switches for AC Motors**Renewal Parts****Bulletin 609U-609TU Undervoltage Protection Assembly****Solenoid (Coil) Assemblies (Includes Mounting Hardware)**

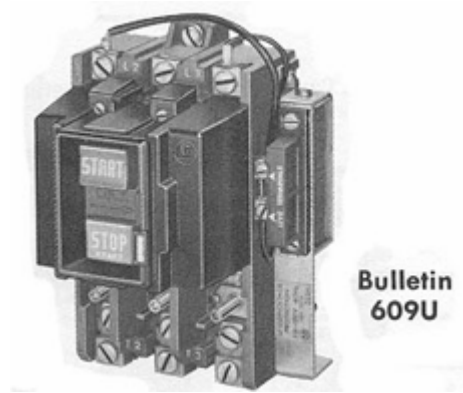
Cat. No.	Coil Suffix	Voltage Code	Coil Volts - Hz	Solenoid (Coil) Renewal Part Number
	WJ		24V 60 Hz	MA-013
	None		40V 60 Hz	MA-219
	S, XS		110 - 115V 50 Hz	MA-322
	D, XD		115 - 120V 60 Hz	MA-236
	None		127 - 132V 50 Hz	MA-328
	None		152 - 158V 60 Hz	MA-289
	None		166 - 173V 60 Hz	MA-245
	None		174 - 181V 60 Hz	MA-246
	None		192 - 200V 50 Hz	MA-337
	F		201 - 210V 50 Hz	MA-338
	H, XH		200 - 208V 60 Hz	MA-249
	P, XP		220 - 230V 50 Hz	MA-339
	A, XA		230 - 240V 60 Hz	MA-254
	None		252 - 263V 60 Hz	MA-257
	None		317 - 331V 60 Hz	MA-263
	None		364 - 380V 60 Hz	MA-267
	VN		380V 50 Hz	MA-354
	None		384 - 401V 50 Hz	MA-355
	N, WL		415V 50 Hz	MA-357
	None		438 - 459V 60 Hz	MA-271
	Q		440 - 460V 50 Hz	MA-360
	B		460 - 480V 60 Hz	MA-273
	None		481 - 502V 60 Hz	MA-274
	None		527 - 551V 60 Hz	MA-276
	C		550V 50 Hz	MA-368
	C		575 - 600V 60 Hz	MA-278

609U & 609TU Manual Starting Switches for AC Motors

Renewal Parts

Renewal Parts

Enclosed NEMA Type 1 Bulletin 609U Manual Starting Switches - 3 Phase and Single Phase Devices



Enclosure Only for 609U-AAD (does not include manual starting switch)
Renewal Part Number 40189-806-01

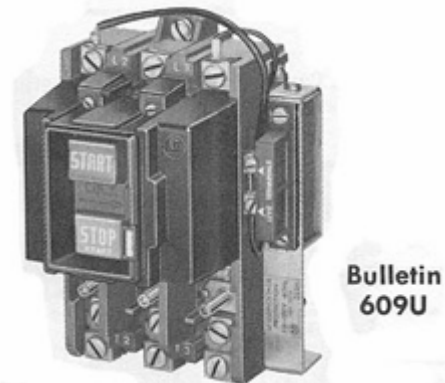
Manual Starting Switch – 609U-AOD

609U = pushbutton operator 609TU = toggle lever operator

Renewal Part Description	Catalog Number of the Complete Device (* = coil voltage suffix code)			
	609U-AA* or 609U-BA* 609TU-AA* or 609TU-BA*		609U-AAX* or 609U-BAX* or 609U-XAX* 609TU-AAX* or 609TU-BAX* or 609TU-XAX*	
	Series F-G	Series H	Series F-G	Series H
	Renewal Part Numbers		Renewal Part Numbers	
Enclosure (base and cover assemblies)	40189-806-01 ①	40189-806-01	40189-806-01 ①	40189-806-01
Enclosure Base Only	Not Available	Not Available	Not Available	Not Available
Enclosure Cover Only	Not Available	40189-808-01	Not Available	40189-808-01

① This part number is larger than the enclosure used on the original devices.

Manual Starting Switches (less enclosure)

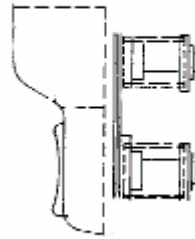


609U-AOD (609TU devices similar in appearance)

Enclosed Switch Cat. No.	Renewal Part Number for Manual Switch less Enclosure (* = coil voltage suffix code)
609(T)U-AA*	609(T)U-AO*
609(T)U-AAX*	609(T)U-AOX*
609(T)U-BA*	609(T)U-BO*
609(T)U-BAX*	609(T)U-BOX*
609(T)U-XAX*	609(T)U-XOX*

609U & 609TU Manual Starting Switches for AC Motors**Renewal Parts****Renewal Parts**

Enclosed NEMA 12 Bulletin 609U Manual Starting Switches - 3 Phase and Single Phase Devices

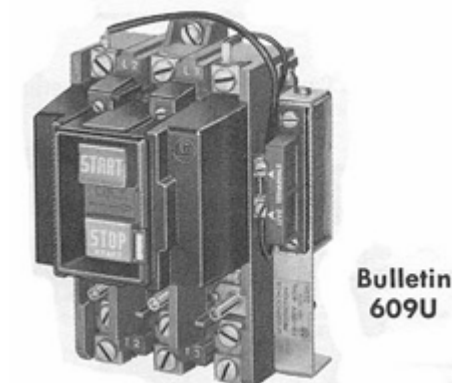


Enclosure Only for 609U-AJD (does not include manual starting switch)
Renewal Part Number 40189-807-01

Cover Pushbutton Assembly
Renewal Part Number 40189-062-51

Renewal Part Description	Catalog Number of the Complete Device (* = coil voltage suffix code)			
	609U-AJ* or 609U-BJ*		609U-AJX* or 609U-BJX* or 609U-XJX*	
	Series E-H	Series J-K	Series F-H	Series J-K
	Renewal Part Numbers		Renewal Part Numbers	
Enclosure (base and cover assemblies)	40189-807-01 ①	40189-807-01	40189-807-01 ①	40189-807-01
Enclosure Base Only	Not Available	Not Available	Not Available	Not Available
Enclosure Cover with Cover Pushbuttons	Not Available	40189-809-01	Not Available	40189-809-01
Cover Pushbutton Assembly Only	40189-062-51	40189-062-51	40189-062-51	40189-062-51

① This part number is larger than the enclosure used on the original devices.

Manual Starting Switch (less enclosure)

Enclosed Switch Cat. No.	Renewal Part Number for Manual Switch less Enclosure (* = coil voltage suffix code)
609U-AJ*	609U-AO*
609U-AJX*	609U-AOX*
609U-BJ*	609U-BO*
609U-BJX*	609U-BOX*
609U-XJX*	609U-XOX*

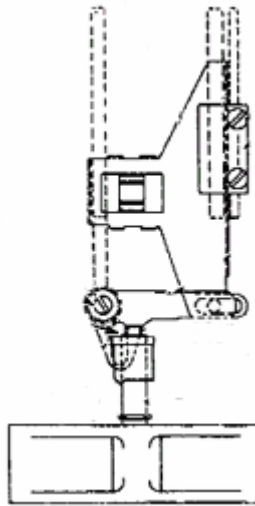
609U & 609TU Manual Starting Switches for AC Motors

Renewal Parts

Renewal Parts - Enclosed NEMA 4X Bulletin 609U Manual Starting Switches – 3 Phase and Single Phase Devices



Enclosure Only for 609U-ACD (less switch)
Renewal Part Number 40189-803-01



Cover Operating Mechanism
Renewal Part Number 40189-810-01



Conduit Hub
1490-N9



Grounding Adapter
1490-N20

Renewal Part Description	Catalog Number of the Complete Device (* = coil voltage suffix code)			
	609U-AC* (Sz 0) or 609U-BC* (Sz 1)		609U-ACX* (Sz 0) or 609U-BCX* (Sz 1) or 609U-XCX* (Sz 1P)	
	Series G-J	Series K	Series F-H	Series J
	Renewal Part Numbers		Renewal Part Numbers	
Enclosure (base and cover assemblies)	40189-802-01 ①	40189-802-01	40189-802-01 ①	40189-802-01
Enclosure Base Only	Not Available	Not Available	Not Available	Not Available
Encl. Cover w/ Cover Operating Mech – Sz 0	X-474310	609-ACW-COV	X-474310 (for sizes 0, 1, 1P)	609-ACX-COV
Encl. Cover w/ Cover Operating Mech - Sz 1	X-474310	609-BCW-COV		(for sizes 0, 1, 1P)
Operating Mechanism used in Cover	40189-805-01	40189-803-01	40189-805-01	40189-803-01
Grounding Adapter in Base	1490-N20	1490-N20	1490-N20	1490-N20
Conduit Hub in Base	1490-N9	1490-N9	1490-N9	1490-N9

① This part number is larger than the enclosure used on the original devices.

Manual Starting Switch (less enclosure)



609T Manual Switch is illustrated (609TU switch is similar in appearance with addition of solenoid assembly)

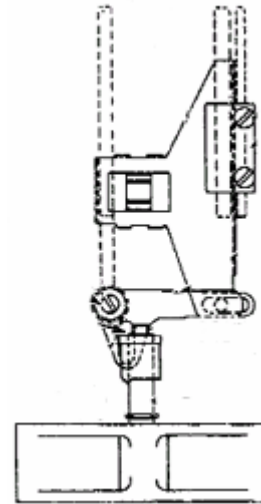
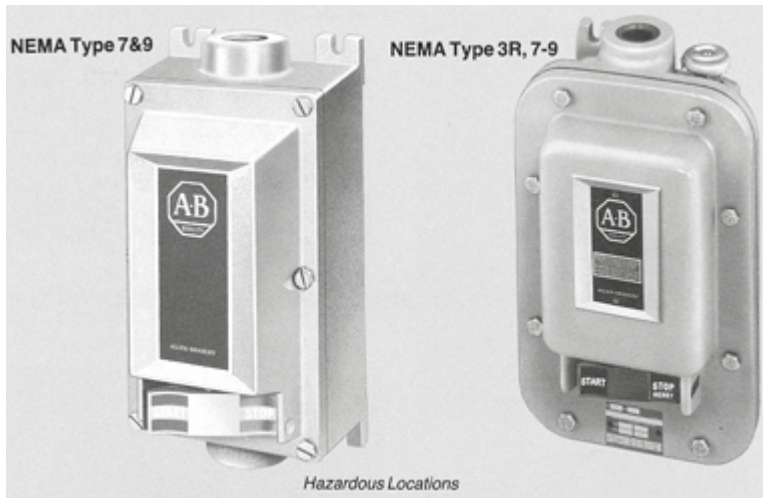
Enclosed Switch Cat. No.	Renewal Part Number for Manual Switch less Enclosure (* = coil voltage suffix code)
609U-AC*	609TU-AO*
609U-ACX*	609TU-AOX*
609U-BC*	609TU-BO*
609U-BCX*	609TU-BOX*
609U-XCX*	609TU-XOX*

609U & 609TU Manual Starting Switches for AC Motors

Renewal Parts

Renewal Parts -

Enclosed NEMA 7&9 and NEMA 3R, 7&9 Bulletin 609U Manual Starting Switches – 3 Phase and Single Phase Devices



Enclosure Only for 609U-AED (less switch)
Renewal Part Number X-474312

Enclosure Only for 609U-AHD (less switch)
Renewal Part Number 40189-800-01

Cover Operating Mechanism
Renewal Part Number 40189-801-01

Renewal Part Description	Catalog Number of the Complete Device (* = coil voltage suffix code)	
	Series F-H	Series A
Enclosure (base and cover assemblies)	X-474312	40189-800-01 ①
Enclosure Base Only	Not Available	Not Available
Enclosure Cover with Cover Operating Mechanism	609-AEW-COV (for Sz 0) 609-BEW-COV (for Sz 1)	609U-AH* (Sz 0), 609U-BH* (Sz 1), 609U-AHX* (Sz 0), 609U-BHX* (Sz 1) 609-BHW-COV (for Size 0 and for size 1 devices)
Operating Mechanism used in Cover	40189-804-01	40189-801-01

① Does not include drain. Order separately as 1401-N2.

Manual Starting Switch (less enclosure)



609T Manual Switch is illustrated (609TU switch is similar in appearance with addition of solenoid assembly)

Enclosed Switch Cat. No.	Renewal Part Number for Manual Switch less Enclosure (* = coil voltage suffix code)
609U-AE*	609TU-AO*
609U-AH*	609TU-AO*
609U-BE*	609TU-BO*
609U-BH*	609TU-BO*
609U-AEX*	609TU-AOX*
609U-AHX*	609TU-AOX*
609U-BEX*	609TU-BOX*
609U-BHX*	609TU-BOX*

Important User Information

Because of the variety of uses for the products described in this publication, those responsible for the application and use of this control equipment must satisfy themselves that all necessary steps have been taken to assure that each application and use meets all performance and safety requirements, including any applicable laws, regulations, codes and standards.

The illustrations, charts, sample programs and layout examples shown in this guide are intended solely for purposes of example. Since there are many variables and requirements associated with any particular installation, Rockwell Automation does not assume responsibility or liability (to include intellectual property liability) for actual use based upon the examples shown in this publication.

Allen-Bradley publication SGI-1.1, *Safety Guidelines for the Application, Installation and Maintenance of Solid-State Control* (available from your local Allen-Bradley office), describes some important differences between solid-state equipment and electromechanical devices that should be taken into consideration when applying products such as those described in this publication.

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ATTENTION

Identifies information about practices or circumstances that can lead to personal injury or death, property damage or economic loss



IMPORTANT

Identifies information that is critical for successful application and understanding of the product.

Use only replacement parts and devices recommended by Rockwell Automation to maintain the integrity of the equipment. It is the user's responsibility to ensure that the renewal part number selected is properly matched to the model, series and revision level of the equipment being serviced.

ATTENTION

Servicing energized Industrial Control Equipment can be hazardous. Severe injury or death can result from electrical shock, burn, or unintended actuation of controlled equipment. Recommended practice is to disconnect and lockout control equipment from power sources, and release stored energy, if present.



Refer to **National Fire Protection Association Standard No. NFPA70E, Part 2 and (as applicable) OSHA rules for Control of Hazardous Energy Sources (Lockout/Tagout) and OSHA Electrical Safety Related Work Practices** for safety related work practices, including procedural requirements for lockout/tagout, and appropriate work practices, personnel qualifications and training requirements where it is not feasible to de-energize and lockout or tagout electric circuits and equipment before working on or near exposed circuit parts.

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