

# MINI STARTERS TYPE XLS07 with TYPE B05 OVERLOADS



H.P. RATING			AMPS (OPEN) Resistive	Cat. No.	OPEN	TYPE M1 NEMA 1	TYPE 4X NEMA 4X	Auxiliary Contacts	
<b>115V</b>	<b>230V</b>		<b>Single Phase Starter</b>		<b>LIST</b>	<b>LIST</b>	<b>LIST</b>	<b>NO</b>	<b>NC</b>
1	2		16A Non Reversing	SXLS07.10-	-★0-★★ \$ 91	-★1-★★ \$163	-★4X-★★ \$186	1	-
1	2		16A Reversing ◀	SRXLS07.10-	-★0-★★ 145	-★1-★★ 217	-★4X-★★ 270	1	-
List Price includes three heaters									
<b>208V</b>	<b>230V</b>	<b>460V</b>	<b>Three Phase Starter</b>						
3	3	3	16A Non Reversing	XLS07.10-	-★0-★★ \$ 91	-★1-★★ \$163	-★4X-★★ \$186	1	-
3	3	3	16A Reversing ◀	RXLS07.10-	-★0-★★ 145	-★1-★★ 217	-★4X-★★ 270	1	-
3	3	3	16A Reversing ◀	RXLS07.01-	-★0-★★ 145	-★1-★★ 217	-★4X-★★ 270	-	1

▶ **TYPE 4X ENCLOSED STARTERS.** Type XLS starters are UL/CSA Listed starters enclosed in type 4X U.L. Listed enclosures. Type 4X enclosures are designed for outdoor/hose down/dust tight applications and are non-metal corrosion resistant.

**Option:** Contactors can be supplied with plug-on spade connectors or terminal wire pin connectors.

EXAMPLE: Catalog No. XLS07 - **A** - **E**  
(Full Voltage Starter **A** - 120V Coil, **E** - .85 - 1.3 Amp Overload)

Note: RXLS07 only available in AC coil voltage. For DC mini reversing see RXLS05 Page 77

◀ All Mini Reversing units are supplied less wiring. Add \$25.00 list for factory wiring. Add suffix -W to catalog number.



★COIL VOLTAGE SUFFIX		
AC★	60HZ	50HZ
-A	120V	110V
-C	208/230V	220V
-D		380V
-E	480V	440V
-G	24V	22V
<b>DC★</b> - Add \$10 List per coil		
-MSW	12VDC	
-NSW	24VDC	
-OSW	48VDC	
-PSW	120VDC	
-RSW	220VDC	
●SW Single Winding DC Power Plant.		
DC Coils are not available in RLS07.		

★★OVERLOAD				
Suffix	Amperage	Complete Plug-On	List	
-A	0.11-0.17	B05-A	\$55	
-B	0.17-0.26	B05-B	\$55	
-C	0.26-0.43	B05-C	\$55	
-D	0.43-0.65	B05-D	\$55	
-E	0.65-1	B05-E	\$55	
-F	0.85-1.3	B05-F	\$55	
-G	1.1-1.6	B05-G	\$55	
-GN	1.35-2	B05-GN	\$55	
-H	1.7-2.4	B05-H	\$55	
-IN	2.2-3.2	B05-IN	\$55	
-JN	3-4.7	B05-JN	\$55	
-K	4-6.3	B05-K	\$55	
-L	5-8	B05-L	\$55	
-M	7.5-10.5	B05-M	\$55	
-NN	10-14	B05-NN	\$55	

STANDARD FEATURES	
<b>TYPE B05 OVERLOADS - The Reliable Motor Protectors</b>	
<ul style="list-style-type: none"> <li>• Direct Heated Bimetals</li> <li>• Ambient Compensated -20°C to +60°C</li> <li>• Plug-On O.L. Block</li> <li>• Optional Separate Mount</li> <li>• NO &amp; NC Contacts</li> </ul>	<ul style="list-style-type: none"> <li>• 600 Volt Rated</li> <li>• Sealable Precision Setting</li> <li>• Protected Heaters</li> <li>• 100% Factory Set</li> <li>• NEMA Class 10</li> </ul>

## Technical Data

Rated insulation voltage 600V, Resistive Amps 16A

Mechanical life endurance For AC operation: 4 million operation cycles

For DC operation: 10 million operation cycles

AC1 duty Resistive Admissible operational frequency: 50 operations/hour

Contact life expectation under full load and rated operational current: 150,000 ops (16 Amp)

AC3 duty Motor Load

Allowed frequency of operations at full load and uninterupted duty: 3000 ops/h

Contact life expectation under full load at rated power and AC 3 duty: 400,000 operations

AC 11 duty Heavy Pilot Duty 10 Amp

Rated make/break capacity up to 200V 60A

Allowed frequency of operations at full load and uninterupted duty: 600 ops/h

DC 11 duty Standard Duty

Short Circuit Protection Max. back-up fuse: 16A slow

Coil Ratings

For AC operation: Pick-up/sealing 16VA/4.9VA (voltage tolerance -25% - +10%)

For DC operation: Pick-up/sealing 2.4W (voltage tolerance -15% - +10%)  
(for 24V: 1.2W for operating range 0.8 to 1.7V)  
(for special version consult factory)

Switching times for 1.0V

for AC operation	closing delay	9 to 30 milliseconds	opening delay	5 to 25 milliseconds
for DC operation	closing delay	10 to 35 milliseconds	opening delay	2 to 8 milliseconds

### MINI OVERLOADS

**B05-\*\*-\*\***

**HB05-143**  
Required for external reset

**Plug-On overload Unit**  
(Plug-On overload included as standard when complete starter is purchased.)  
**#B05-★★ \$55 LIST**

**Separate Mount O.L. Adaptor**  
**#B05-141-142 \$13 LIST**  
Plate Adaptor for assembling O.L. Type #B05 to Minicontactor LS07  
(Plate adaptor is included as standard when complete starter is purchased.)  
**#B05-LS07-ADPT \$1.50 LIST**  
Plate Adaptor is not needed when XLS07/B05 Starter is DIN Rail mounted.  
**HB05-143 REQUIRED** for overload use with external reset operation by reset plunger.  
N.O. Aux. Alarm Contact HB05 - 143 \$13.00 List