The ATC Diversified **SLA Series** is designed to protect 3-phase equipment against PHASE LOSS, UNDER VOLTAGE, and PHASE REVERSAL conditions.

With normal operating voltages applied in the proper ABC sequence, the internal relay will energize (PICK-UP). When incorrect phase sequence or phase loss occurs or the three-phase voltages fall below the drop out voltages, the relay will de-energize (DROP-OUT). On models featuring indicators, the LED glows when all line conditions are normal.

Both Delta and Wye systems may be monitored. In Wye systems, connections to neutral are NOT required.

SPECIFICATIONS

For UL Listed units, with field wiring terminals, copper wire with 60°/75°C rating must be used for control circuitry connections.

NOTE: When a phase is lost while the motor is running, a condition known as regeneration occurs where a voltage is induced into the open phase nearly equal in magnitude to the normal phase-to-phase voltage. However, with the exception of lightly loaded motors, enough change is detected by the SLA to provide the required protection when properly adjusted. The SLA Series is UL Listed under file Number E55826.

1 Ø Low	0.20% of No			
3 Ø Low	83% of Nominal 90% of Nominal			
Models Up to 300 VAC				
Operate	250 mSEC			
Release	0.5 SEC			
Models Over 300 VAC				
Operate	1.0 SEC			
Release	2.0 SEC			
Operate Release	60 mSEC 0.5 SEC			
Style "A" Style "E"	3 VA (approximately) Models up to 300 VAC: 3 VA (ma Models over 300 VAC: 7 VA (max Models up to 500 VAC: 3 VA (max			
Style "N"	3 VA (max.)			
See Ordering Information				
Automatic (Ma	anual Optional)			
Glows when all conditions are Normal				
(On Applicable Models)				
SPDT (Style "A" and "N") DPDT (Style "E")				
ABC (Will not Operate CBA)				
Operate	32 to +131 F (0 to +55C)			
Storage	-49 to 185 F (-45 to +85 C)			
3,611,050				
Style "A" Style "N" Style "E"	NET:2.24 oz Shipping: 2.56 oz NET:4.8 oz Shipping: 5.76 oz. NET:5.3 oz Shipping: 5.6 oz			
	Models Up to 2 Operate Release Models Over 3 Operate Release Operate Release Style "A" Style "E" Style "E" Style "N" See Ordering Automatic (Ma Glows when al (On Applicable SPDT (Style "A DPDT (Style " DPDT (Style " ABC (Will not Operate Storage 3,611,050			



SLA Series

RB-08 socket.

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PHASE VOLTAGE MONITORS

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SLA Series

PHASE VOLTAGE MONITORS

ORDERING INFORMATION

STYLE A PLUG-IN								
MODEL	OPERATING	TYPE OF	DROP-OUT VOLTAGE		AGENCY			
NUMBER	VOLTAGE	ADJUSTMENT	1 Ø LOW	3 Ø LOW	APPROVAL	OUTPUT RATINGS		
SLA-120-ALA	SLA-120-ALA				_	DPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC. Figure 2		
SLA-120-ASA	95-130 Adj	Screwdriver	79-108	85-117	c 911 us	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 1		
SLA-120-ASB					_	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 3		
SLA-230-ALA		Lock Shaft	158-224	171-243	c RL us	DPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 2		
SLA-230-ASA	190-270 Adj.				c 91 us	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 1		
SLA-230-ASB		Screwdriver			_	SPDT, 345 VA Inductive; 10 Amps Resistive @ 240 VAC, Figure 3		
SLA-380-ASA	350-440 Adj.		290-365	315-396		SPDT, 360 VA Inductive; 10 Amps		
SLA-440-ASA	430-480 Adj.		357-398	387-432	—	Resistive @ 240 VAC, Figure 1		
SUA-120-ALA	95 120 Adi	Lock Shaft	79-108	85-117 -	CRUIS IND. CONT. EQ 496Y).		
SUA-120-ALAU*	- 95-130 Adj.				c 911 us	SPDT, 345 VA Inductive; 10 Amps		
SUA-230-ALA	190-270 Adj.	158-224	171-243	C SUIS IND. CONT. EQ 496Y	Resistive @ 240 VAC, Figure 1			
SUA-230-ALAU*	- 150-270 Auj.		130-224	171-243	e Allus)-		
SUA-380-ASA	350-440 Adj.	- Screwdriver	290-365	315-396	c ₽1 us ∰	SPDT, 10 Amps		
SUA-440-ASA	430-480 Adj.		357-398	387-432		Resistive @ 240 VAC, Figure 1		
*UL Listed only when used with RB-08 relay socket; 5 Amps Resistive @ 240 VAC. All voltages referenced on this page are phase-to-phase. Models also available with fixed operating voltages. Consult factory.								

STYLE E SURFACE MOUNTED ENCLOSURE DROP-OUT VOLTAGE MODEL OPERATING AGENCY NUMBER VOLTAGE 1 Ø LOW 3 Ø LOW RESET APPROVAL **OUTPUT RATINGS** DPDT, 211 VA Inductive; 10 Amps ELISTED IND. CONT. EQ 496Y €₽• SLA-120-ALE Automatic Resistive @ 120 VAC. Figure 4 95-130 Adj. 79-108 85-117 CULUS LISTED IND. CONT. EQ 496Y DPDT, 211 VA Inductive; 10 Amps **€**₽• SLA-120-ALER Manual Resistive @ 120 VAC. Figure 4 DPDT, 345 VA Inductive; 5 Amps CULUS LISTED IND. CONT. EQ 496Y **(** SLA-230-ALE Automatic Resistive @ 240 VAC. Figure 4 190-270 Adj. 171-243 158-224 CULUSTED IND. CONT. EQ 496Y DPDT, 345 VA Inductive; 5 Amps (F) SLA-230-ALER Manual Resistive @ 240 VAC. Figure 4 ELISTED IND. CONT. EQ 496Y **()** DPDT, 360 VA Inductive; 3 Amps SLA-380-ALE Automatic Resistive @ 600 VAC. Figure 4 290-365 350-440 Adj. 315-396 SPDT, 360 VA Inductive; 3 Amps CUL US TER **(1)** SLA-380-ALER Manual IND. CONT. EQ 496Y Resistive @ 600 VAC. Figure 5 DPDT, 360 VA Inductive; 3 Amps CULUS LISTED IND. CONT. EQ 496Y **()** SLA-440-ALE Automatic Resistive @ 600 VAC. Figure 4 387-432 430-480 Adj. 357-398 SPDT, 360 VA Inductive; 3 Amps CULUSTED IND. CONT. EQ 496Y **()** SLA-440-ALER Manual Resistive @ 600 VAC. Figure 5 DPDT, 360 VA Inductive; 3 Amps CULISTED IND. CONT. EQ 496Y **()** SLA-575-ALE 436-519 473-563 525-625 Adj. Automatic Resistive @ 600 VAC. Figure 4

All voltage referenced are phase-to-phase.---Models also available with fixed operating voltages. Consult factory.

STYLE N EPOXY ENCAPSULATED

MODEL	OPERATING		DROP-OUT VOLTAGE		AGENCY
NUMBER	VOLTAGE	TYPE OF OPERATION	1 Ø LOW	3 Ø LOW	APPROVAL
SLA-120-AFN	120	Fixed	100	108	
SLA-208-AFN	208	Fixed	173	187	c SN us
SLA-220-AFN	220	Fixed	183	198	C THE US
SLA-240-AFN	240	Fixed	199	216	
SPDT 180VA @ 120VAC; 72VA @ 2	4VAC; All voltage referenced are pha	se-to-phase.	•	-	•

SPDT 180VA @ 120VAC, 72VA @ 24VAC, All Voltage refer SPDT 180 va @ 120 vac, 72 va @ 24 vac.

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