



# SPS

## Standard Pump Starter

1Ø & 3Ø, 110~600VAC, 1-200HP  
HOA Switch with LED Run Pilot Lights  
Superior Electronic Motor Protection



## Economical Pump Starter Control

### Heavy Duty HOA Switch with Run Pilot Light

- Simple and functional basic control

### Wide Range Class 1-30 Electronic Overload

- Prevents ordering confusion and eliminates call backs due to mis-sized heaters
- Advanced protective features including anti-cycling, manual/auto reset, etc.

### Flexible Control Transformer (CPT)

- Multi-tap CPT input accepts all common motor voltages
- Integrated secondary protection – no fuses required
- Standard 120VAC secondary or optional 120VAC secondary

### High Reliability Contactors for Long Life

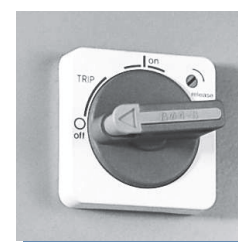
- 2.5 million contactor electrical cycles at full rated current
- 25 to 50% longer life than typical contactors

### Combination Versions Include Disconnect

- Motor circuit protection disconnect provides branch and short circuit protection
- High interrupting ratings for maximum electrical system compatibility
- No fuses required – save time and money
- Lockable handle for safety



Rugged HOA switch



Our lockable disconnect provides superior, resettable protection without fuses



### NEMA 1 Also Available

- Easy to size-follow our simple table
- UL Type 1 enclosure includes top and bottom knock-outs

## Specifications

### Starter Type

Standard Automation Starter

Standard or Combination

UL Type 1 or UL Type 4/12 Enclosure

### User Interface

HOA Selector switch with Run pilot light

Reset Push Button

Standard Control Operations		Protective Functions	
<b>Inputs</b>		Overload Type	Electronic; I <sup>2</sup> t Thermal Trip Curve
Dry Auto Run	N.O. dry contact closure to energize starter	Current Setting Range	0.3 - 1.5A, 1 - 5A, 4.4 - 22A, 8 - 40A, 16 - 80A
<b>Mechanical</b>		Trip Class	Class 1-30
Enclosure types	UL Type 1 or UL Type 4/12	Reset	Manual or Automatic
		Phase Unbalanced	Trip within 3 seconds @ 70% unbalance
		Phase Loss	Trip within 3 seconds
		Stall Condition	Trip within 3 seconds @ 170% FLA
		Cycle Fault	Trip if cycle rate exceeds 1200 starts per hour
Dimensions	See Pages 28 & 29		
<b>Environmental</b>			
Ambient Operating Temp	-5° to 140° F (-20° to 60° C)		
Ambient Storage Temp	-5° to 185° F (-20° to 85° C)		
Relative Humidity	5% to 95% non-condensing		