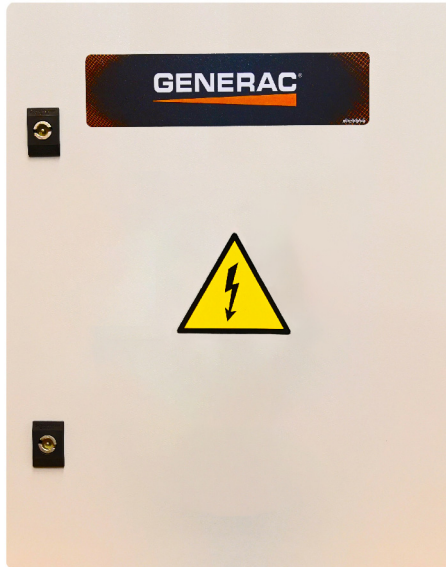


## 50Hz Transfer Switches

## 50Hz Automatic Transfer Switches

70 Amps, Single-Phase  
45 Amps, 3-Phase



### Description

Generac Transfer Switches are designed for use with single-phase and 3-phase 50Hz generators. The transfer switches are certified for IEC 60947-6-1 – the transfer switch standard – where electronically operated and mechanically interlocked contacts are required for safety. For the 3-phase switch, the load transfers to the generator when any phase fails, when phase sequence is incorrect, or when there is over or under voltage ( $\pm 10\%$ ).

### Standard Features

Generac Transfer Switches are available with steel enclosures for 45 and 70 amp single phase and 3-phase models. The enclosure is RAL 7035 painted, and certified to IEC IP66. The contactors equipped comply with a wide range of certificates and marking, including the CE mark. The controller at the generator senses and controls the timing, exercising, and transfer commands.

### Functions

All timing and sensing functions originate in the generator controller.

Utility voltage dropout.....	<60%
Timer to generator start.....	10 second factory set, adjustable between 2-1500 seconds by a qualified dealer*
Engine warm up delay.....	Five seconds
Standby voltage sensor.....	60% for five seconds
Utility voltage pickup.....	>80%
Re-transfer time delay.....	15 seconds
Engine cool-down timer.....	60 seconds
Exerciser.....	12 minutes every 7 days

The transfer switch can be operated manually without power applied.

\*When used in conjunction with units utilizing Evolution™ and Nexus™ controls

**45–70 Amps****50Hz Automatic Transfer Switches****Specifications**

Model		PY000A000AY	PY000A000B8
Rated Current (AC-1) (690V)		70A @ 40 °C 60A @ 60 °C 50A @ 70 °C	45A @ 40 °C 40A @ 60 °C 32A @ 70 °C
		230V, 1Ph+N, 50Hz	400V, 3Ph+N, 50Hz
		Open transition	
Enclosure Type		IP66	
Terminal size	Power section	35mm <sup>2</sup> (Ph+N)	10mm <sup>2</sup> (Ph+N)
	Control section	1.5 mm <sup>2</sup>	
Admissible Terminal Connectors	Power section	End Sleeves	
	Control section		

**Features**

- Single throw contactors, certified to the transfer switch standard IEC 60947-6-1 with electrically operated, mechanically interlocking contacts for fast, positive connections.
- High-endurance, interlocked contactor, suitable for both inductive and resistive loads.
- Less than 160 millisecond transfer time.
- Dual coil design.
- Contactors with built-in surge protection.
- Limited 5 year warranty.

**Dimensions and Weight**

Model	Height (mm)		Width (mm)		Depth (mm)	Weight (kg)
	H1	H2	W1	W2		
PY000A000AY	450	500	350	400	200	12
PY000A000B8						13.5

