

## TRANSFORMERS

### Y63, Y64, Y65, Y66 and Y69 Series



#### DESCRIPTION:

The series Y63, Y64, Y65, Y66, and Y69 transformers handle 24 VAC power requirements from 40 VA through 300 VA. These transformers are designed for use with digital controllers, gas controls, ignition systems, motor actuators, staging controls, and most other 24 VAC Heating, Ventilating, Air Conditioning (HVAC) and Refrigeration control systems. The Y6x Series meets the national requirements of the United States and Canada. The Y63, Y64, Y65, and Y66 transformers are Underwriters Laboratories Inc. (UL) listed as Class 2 transformers (UL 1585, CSA C22.2 No. 66). The Y69 is listed as a general-purpose transformer (UL 506, CSA C22.2 No. 66).

#### FEATURES:

- Split-bobbin design provides best primary/secondary isolation.
- Mutate primaries reduce stocking requirements and offer application flexibility.
- Choice of plate, foot, or conduit hub mounting provides mounting flexibility.
- Choice of primary voltages meets a wide range of power requirements from 24 VAC through 480 VAC.
- Color-coded lead wires for simplicity and standardization.
- Built-in circuit breakers allow for easy reset, and avoid the replacement cost after a burnout (Y63, Y64, Y66, and Y69)

#### To Order

Specify the code number from the following selection chart.

Y63, Y64, Y65, Y66, Y69 SERIES TRANSFORMERS													
Input Power Requirements	24-480 VAC at 60 Hz												
Full Load Secondary Voltage	23.5 VAC (Nominal)												
Open Circuit Secondary Voltage (No Load)	27.0 VAC (Nominal)												
Full Load Secondary VA Rating	<table border="1"> <thead> <tr> <th>Series</th> <th>Volt-Amperes</th> </tr> </thead> <tbody> <tr> <td>Y63</td> <td>50 VA</td> </tr> <tr> <td>Y64</td> <td>92 VA 40 VA</td> </tr> <tr> <td>Y65</td> <td></td> </tr> <tr> <td>Y66</td> <td>75VA</td> </tr> <tr> <td>Y69</td> <td>300VA</td> </tr> </tbody> </table>	Series	Volt-Amperes	Y63	50 VA	Y64	92 VA 40 VA	Y65		Y66	75VA	Y69	300VA
Series	Volt-Amperes												
Y63	50 VA												
Y64	92 VA 40 VA												
Y65													
Y66	75VA												
Y69	300VA												
Finish	Endbells, frame, feet, and mounting plates are zinc plated.												
Ambient Operating Temperature	-40 to 104°F (-40 to 40°C)												
Ambient Storage Temperature	-40 to 140°F (-40 to 60°C)												
Shipping Weight	<table border="1"> <tbody> <tr> <td>Y63</td> <td>3.0 lb/1.4 kg</td> </tr> <tr> <td>Y64</td> <td>4.0 lb/1.8 kg</td> </tr> <tr> <td>Y65</td> <td>2.0 lb/0.9 kg</td> </tr> <tr> <td>Y66</td> <td>3.0 lb/1.4 kg</td> </tr> <tr> <td>Y69</td> <td>11.0 lb/5.0 kg</td> </tr> </tbody> </table>	Y63	3.0 lb/1.4 kg	Y64	4.0 lb/1.8 kg	Y65	2.0 lb/0.9 kg	Y66	3.0 lb/1.4 kg	Y69	11.0 lb/5.0 kg		
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Agency Compliance	UL Listed Y63, Y64, Y65, Y66 File E25482 or E95575, CCN's XOKV (US) and XOKV7 (Canada) UL Recognized Y63, Y64, Y65, Y66 File E25482 or E95575, CCN's XOKV2 (US) and XOKV8 (Canada) UL Listed Y69 File E37177 or E95138, CCN's XPTQ (US) and XPTQ7 (Canada) All transformers are Class 2 except the Y69 (300 VA), which is listed as a power transformer.												

### 40 VA Capacity Transformers with Energy Limiting Type Overload Protection

PART NO	Agency Requirement	Voltage VAC	Primary Connection	Voltage VAC	Secondary Connection	MOUNTING
Y65G13-0	UL, cUL Class 2	24	Male Fitting 8 in. prim. leads	24	Male Fitting 30 in. sec. leads	Foot
Y65A13-0	UL, cUL Class 2	120	Male Fitting 8 in. prim. leads	24	Male Fitting 30 in. sec. leads	Foot
Y65A21-0	UL, cUL Class 2	120	Endbell holes 8 in. prim. leads	24	Three screw terminals (one is blind)	4 in. x 4 in. plate
Y65T31-0	UL, cUL Class 2	120/208/240	Male Fitting 8 in. prim. leads	24	Three screw terminals (one is blind)	Foot 4 in. x 4 in. plate (a)
Y65T42-0	UL, cUL Class 2	120/208/240	Male Fitting 8 in. prim. leads	24	Male Fitting 8 in. sec. leads	Hub 4 in. x 4 in. plate (a)
Y65T54-0	UL, cUL Class 2	120/208/240	8 in. primary leads	24	8 in. secondary leads	Foot-skeleton
Y65S13-0	UL, cUL Class 2	208/240	Male Fitting 8 in. prim. leads	24	Male Fitting 30 in. sec. leads	Foot
Y65F13-0	UL, cUL Class 2	277/480	Male Fitting 8 in. prim. leads	24	Male Fitting 30 in. sec. leads	Foot
Y65F42-0	UL, cUL Class 2	277/480	Male Fitting 8 in. prim. leads	24	Male Fitting 8 in. sec. leads	Hub 4 in. x 4 in. plate (a)

### 50 VA Capacity Transformers with Circuit Breakers

PART NO	Agency Requirement	Voltage VAC	Primary Connection	Voltage VAC	Secondary Connection	MOUNTING
Y63T22-0	UL, cUL Class 2	120/208/240	End Bell Hole 8 in. prim. leads	24	End Bell Hole 8 in. sec. leads	4 in. x 4 in. plate
Y63T31-0	UL, cUL Class 2	120/208/240	Male Fitting 8 in. prim. leads	24	Three screw terminals (one is blind)	Foot 4 in. x 4 in. plate (a)
Y63F22-0	UL, cUL Class 2	277/480	End Bell Hole 8 in. prim. leads	24	End Bell Hole 8 in. sec. leads	4 in. x 4 in. plate

### 75 VA Capacity Transformers with Circuit Breakers

PART NO	Agency Requirement	Voltage VAC	Primary Connection	Voltage VAC	Secondary Connection	MOUNTING
Y66T12-0	UL, cUL Class 2	120/208/240	Male Fitting 8 in. prim. leads	24	Male Fitting 30 in. sec. leads	Foot
Y66T13-0	UL, cUL Class 2	120/208/240	Male Fitting 8 in. prim. leads	24	Male Fitting 30 in. sec. leads	Foot
Y66F12-0	UL, cUL Class 2	277/480	Male Fitting 8 in. prim. leads	24	Male Fitting 8 in. sec. leads	Foot
Y66F13-0	UL, cUL Class 2	277/480	Male Fitting 8 in. prim. leads	24	Male Fitting 30 in. sec. leads	Foot

### 92 VA Capacity Transformers with Circuit Breakers

PART NO	Agency Requirement	Voltage VAC	Primary Connection	Voltage VAC	Secondary Connection	MOUNTING
Y64T15-0	UL, cUL Class 2	120/208/240	Male Fitting 8 in. prim. leads	24	Female Fitting 30 in. sec. leads	Foot
Y64T21-0	UL, cUL Class 2	120/208/240	Endbell holes 8 in. prim. leads	24	Three screw terminals (one is blind)	Plate
Y64T22-0	UL, cUL Class 2	120/208/240	End Bell Hole 8 in. prim. leads	24	End Bell Hole 8 in. sec. leads	Plate

### 300 VA Capacity Transformers with Circuit Breakers

PART NO	Agency Requirement	Voltage VAC	Primary Connection	Voltage VAC	Secondary Connection	MOUNTING
Y69T15-0	cULus Power Trans	120/208/240	Male Fitting 8 in. prim. leads	24	Female Fitting 30 in. sec. leads	Foot

(a) 4 in. x 4 in. plate and nut packed with transformer