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Jameco Part Number 630230

ISOLATION/MEDICAL

Description:

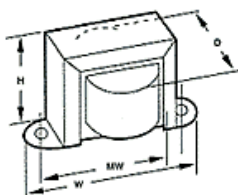
Triad isolation transformers from Triad Magnetics are power transformers for isolating equipment from direct connection to the power line. They are offered in a variety of voltages and case types. TRIAD isolation transformers are also offered in a hospital type (designated with an MD suffix) which are designed and constructed to meet the low leakage current requirements for today's medical equipment. The transformers are constructed with nonconcentrically wound coils. The primary and secondary are wound on separate arbors, then assembled on a laminate core side-by-side separated by insulation. This prevents electrical connection, under normal or overload conditions, between the primary and secondary windings. These hospital type units are offered with a resettable circuit breaker, providing protection from overload and short circuit conditions.

Specifications:

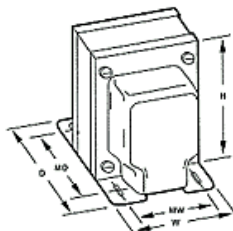
Primary: 115/230 VAC, 50/60
Hz

Secondary: 115/230VAC

Output
Watts: 15 to 1,000 VA



Case Type X



Case Type A

| Type No. | VA | Primary Voltage | Secondary AC | | Case Type | Connections | Lead Holes Used | Dimensions | | | Mounting Dimensions | | Wt. Lbs. |
|----------|------|-----------------|--------------|-------|-----------|------------------------|-----------------|------------|---------|---------|---------------------|---------|----------|
| | | | Volts ±5% | Amps | | | | H | W | D | MW | MD | |
| N-48X | 15 | 115 | 115.0 | 0.13 | X (1) | Leads | - | 1 15/16 | 3 5/16 | 2 | 2 13/16 | - | 1.35 |
| N-51X | 35 | 115 | 115.0 | 0.3 | X (1) | Leads | - | 2 9/32 | 3 11/16 | 2 1/8 | 3 1/8 | - | 1.7 |
| N-68X | 50 | 115-230** | 115.0 | 0.435 | X (1) | Leads | - | 2 9/32 | 3 11/16 | 2 1/8 | 3 1/8 | - | 1.7 |
| N-53M | 85 | 115 | 115.0 | 0.74 | M (3) | 6' Cord, Plug & Socket | - | 3 19/32 | 2 31/32 | 3 3/4 | 2 1/4 | 2 3/8 | 4.7 |
| N-53MG* | 85 | 115 | 115.0 | 0.74 | M (3) | 6' Cord, Plug & Socket | - | 3 19/32 | 2 31/32 | 4 1/8 | 2 1/4 | 2 7/8 | 4.7 |
| N-76U*** | 100 | 115 | 115.0 | 0.86 | U (2) | Leads | - | 3 7/16 | 2 13/16 | 3 | 2 1/4 | 2 1/2 | 4.0 |
| N-77U*** | 100 | 115/230 | 115.0 | 0.86 | U (2) | Leads | - | 3 7/16 | 2 13/16 | 3 | 2 1/4 | 2 1/2 | 4.0 |
| N-54M | 150 | 115 | 115.0 | 1.3 | M (3) | 6' Cord, Plug & Socket | - | 3 7/8 | 3 9/32 | 4 1/4 | 2 1/2 | 3 | 7.0 |
| N-54MG* | 150 | 115 | 115.0 | 1.3 | M (3) | 6' Cord, Plug & Socket | - | 3 7/8 | 3 9/32 | 5 13/16 | 2 1/2 | 3 1/2 | 7.0 |
| N-67A | 150 | 115-230** | 115.0 | 1.3 | A (3) | Leads | 2 | 3 7/8 | 3 9/32 | 3 7/8 | 2 1/2 | 3 | 7.0 |
| N-73A | 150 | 115 | 115-230.0** | 0.65 | A (3) | Leads | 1 | 3 7/8 | 3 9/32 | 3 5/8 | 2 1/2 | 2 3/4 | 7.0 |
| N-255MG* | 250 | 230 | 115.0 | 2.17 | M (3) | 6' Cord, Plug & Socket | - | 4 5/8 | 3 15/16 | 5 | 3 | 3 13/16 | 11.0 |
| N-55M | 250 | 115 | 115.0 | 2.17 | M (3) | 6' Cord, Plug & Socket | - | 4 5/8 | 3 15/16 | 5 | 3 | 3 13/16 | 11.0 |
| N-55MG* | 250 | 115 | 115.0 | 2.17 | M (3) | 6' Cord, Plug & Socket | - | 4 5/8 | 3 15/16 | 5 | 3 | 3 13/16 | 11.0 |
| N-66A | 250 | 115-230** | 115.0 | 2.17 | A (3) | Leads | 2 | 4 5/8 | 3 15/16 | 4 5/8 | 3 | 3 5/8 | 11.0 |
| N-257MG* | 500 | 230 | 115.0 | 4.35 | M (5) | 6' Cord, Plug & Socket | - | 5 5/16 | 4 1/2 | 6 1/4 | 3 1/2 | 5 1/8 | 23.75 |
| N-57M | 500 | 115 | 115.0 | 4.35 | M (5) | 6' Cord, Plug & Socket | - | 5 5/16 | 4 1/2 | 6 1/4 | 3 1/2 | 5 1/8 | 23.75 |
| N-57MG* | 500 | 115 | 115.0 | 4.35 | M (5) | 6' Cord, Plug & Socket | - | 5 5/16 | 4 1/2 | 6 1/4 | 3 1/2 | 5 1/8 | 23.75 |
| N-259MG* | 1000 | 230 | 115.0 | 8.7 | M (5) | 6' Cord, Plug & Socket | - | 5 5/16 | 4 1/2 | 7 1/8 | 3 1/2 | 6 | 31.0 |

| | | | | | | | | | | | | | |
|---------|------|-----|-------|-----|-------|------------------------|---|--------|-------|-------|-------|---|------|
| N-59M | 1000 | 115 | 115.0 | 8.7 | M (5) | 6' Cord, Plug & Socket | - | 5 5/16 | 4 1/2 | 7 1/8 | 3 1/2 | 6 | 31.0 |
| N-59MG* | 1000 | 115 | 115.0 | 8.7 | M (5) | 6' Cord, Plug & Socket | - | 5 5/16 | 4 1/2 | 7 1/8 | 3 1/2 | 6 | 31.0 |

* With Ground Wire

**Split winding

***Unit does not include static shield

Mounting hole sizes: (1)=3/16" (2)=13/64x3/8" (3)=3/8x3/16" (5)=1/2x1/4"

Technical Notes:

1. Line cord, plug and receptacles are U.L. listed and verified to meet federal specifications.
2. Connections are by leads, plugs and sockets.
3. Hi-pot tested at 1,500 VRMS.
4. All units have static shields, except those marked with an asterisk.



MEDICAL/DENTAL APPLICATIONS

UL 544 File E102910

| Type No. | VA | Primary Voltage | Secondary AC | | Case Type | Connections | Lead Holes Used | Dimensions | | | Mounting Dimensions | | Wt. Lbs. |
|----------|-----|-----------------|--------------|------|-----------|--|-----------------|------------|-------|-------|---------------------|---------|----------|
| | | | Volts ±5% | Amps | | | | H | W | D | MW | MD | |
| N-90MD | 250 | 115 | 115.0 | 2.17 | M (3) | 6' Cord, Plug & Socket Circuit Breaker | - | 4 5/8 | 3 7/8 | 6 1/8 | 3 | 4 15/16 | 11.9 |
| N-92MD | 500 | 115 | 115.0 | 4.35 | M (4) | 6' Cord, Plug & Socket Circuit Breaker | - | 5 11/32 | 4 1/2 | 7 | 3 1/2 | 5 3/8 | 17.6 |

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