



# VT3N-AC

Stock Keeping Unit (SKU): 600111

Isolated True RMS Voltage Transducers, AC input, 85-265V supply

## Commercial Information

|                                     |              |
|-------------------------------------|--------------|
| Product Sales Code                  | 600111       |
| Package Unit                        | 1 pcs.       |
| Customs Tariff Number               | 854370900019 |
| Weight Per Unit Including Packaging | 0.084 kg.    |

## Technical Information

| GENERAL            |                          |
|--------------------|--------------------------|
| Connection Type    | Screw terminal           |
| Protection Class   | IP20                     |
| Weight (g)         | 84                       |
| Pack Quantity      | 1                        |
| Housing Width (mm) | 36                       |
| Mounting Type      | Panel or Rail            |
| Insulation         | 1.5 kVrms, 3-way         |
| Response Time      | 350ms                    |
| Linearity          | <0.2%                    |
| Ripple             | <80mV                    |
| Sensitivity        | <0.2% (full scale, 25°C) |

|                              |                    |
|------------------------------|--------------------|
| Temperature Coefficient      | 150 ppm/°C         |
| Input-to-Output Test Voltage | 4 kV during 1 min. |

CURRENT MEASUREMENT INPUT

|                   |                    |
|-------------------|--------------------|
| Power Consumption | <1.5W DC / <4VA AC |
|-------------------|--------------------|

POWER SUPPLY

|           |                         |
|-----------|-------------------------|
| Voltage   | 85-265V AC / 85-265V DC |
| Frequency | 40-70Hz                 |

ENVIRONMENTAL CONDITIONS

|                                    |             |
|------------------------------------|-------------|
| Operating Temperature              | -20°C +60°C |
| Storage Temperature                | -40°C +75°C |
| Relative Humidity (Non-condensing) | Max. 95%    |

EMC/EMI

|                                           |                 |
|-------------------------------------------|-----------------|
| Radiated Emission Test (IEC 61000-6-2/AC) | 2012, 61000-6-4 |
|-------------------------------------------|-----------------|

INPUT SIGNAL

|                        |                                         |
|------------------------|-----------------------------------------|
| Frequency              | 40-70 Hz                                |
| Instantaneous Overload | <2xU Input Max. Range (5 pulses 1 sec.) |
| Continuous Overload    | Max. 600V                               |
| Input Impedance        | 240 Ohm                                 |

ADJUSTABLE INPUT SIGNAL VOLTAGE RANGE

|            |   |
|------------|---|
| 0-24 V AC  | + |
| 0-36 V AC  | + |
| 0-54 V AC  | + |
| 0-80 V AC  | + |
| 0-120 V AC | + |
| 0-170 V AC | + |
| 0-250 V AC | + |
| 0-400 V AC | + |
| 0-450 V AC | + |

|            |    |
|------------|----|
| 0-500 V AC | +  |
| 0-24 V DC  | -- |
| 0-54 V DC  | -- |
| 0-120 V DC | -- |
| 0-250 V DC | -- |
| 0-450 V DC | -- |

|                                              |
|----------------------------------------------|
| <b>ADJUSTABLE INPUT SIGNAL CURRENT RANGE</b> |
|----------------------------------------------|

|          |     |
|----------|-----|
| 0-1 A AC | --- |
| 0-2 A AC | --  |
| 0-3 A AC | --  |
| 0-4 A AC | --  |
| 0-5 A AC | --  |

|                    |
|--------------------|
| <b>OUTPUT TYPE</b> |
|--------------------|

|         |   |
|---------|---|
| 0-20 mA | + |
| 4-20 mA | + |
| 20 mA   | + |
| 20-0 mA | + |
| 20-4 mA | + |
| 0-5 V   | + |
| 10 V    | + |
| 10-0 V  | + |

|                      |
|----------------------|
| <b>ANALOG OUTPUT</b> |
|----------------------|

|              |                                                 |
|--------------|-------------------------------------------------|
| Max. Current | <b>24 mA</b>                                    |
| Max. Voltage | <b>12V</b>                                      |
| Max. Load    | <b>10 O (for voltage) / 600 O (for current)</b> |