



## TVW SERIES

### Accessories



**LPSM003ZXID (Indicating), LPSM003Z (Non-indicating) Fuse Holders**  
Littelfuse POWR-SAFE Dead Front holders provide optimum protection to personnel for Class CC and Midget-Style fuses. 600 VAC/DC



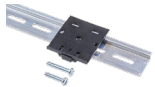
**OKLK002.T Midget Fuse (2 Amp)**  
10 x 38 fast acting, high-interrupting capacity, current-limiting type fuse. 600 Vac/500 Vdc



**P1015-13 (AWG 10/12), P1015-64 (AWG 14/16), P1015-14 (AWG 18/22) Female Quick Connect**  
These 0.25 in. (6.35 mm) female terminals are constructed with an insulator barrel to provide strain relief.



**C103PM (AL) DIN Rail**  
35 mm aluminum DIN rail available in a 36 in. (91.4 cm) length.



**P1023-20 DIN Rail Adapter**  
Allows module to be mounted on a 35 mm DIN type rail with two #10 screws.



**VRM6048 Voltage Reduction Module**  
Allows the voltage monitor to monitor a 3-phase 550 to 600VAC Line.

### Specifications

#### Line Voltage Type

3-phase delta or wye with no connection to neutral

#### Input Voltage/Tolerance AC Line Frequency Phase Sequence Power Consumption

208 to 480VAC in 4 ranges/-30% - 20%  
50 - 100 Hz  
ABC  
Approx. 2W for 240V units  
Approx. 3W for 480V units

#### Overvoltage, Undervoltage, & Voltage Unbalance Overvoltage & Undervoltage

Voltage detection with delay trip & automatic reset  
Undervoltage Trip Point 88 - 92% of the selected line voltage  
Reset Voltage  $\approx +3\%$  of trip voltage  
Overvoltage Trip Point 109 - 113% of the selected line voltage  
Reset Voltage  $\approx -3\%$  of trip voltage  
Trip Variation vs Temperature  $\leq \pm 2\%$   
Voltage Unbalance Factory fixed, from 4 - 10%  
Reset On Balance  $\approx -0.7\%$  unbalance  
Trip Delay Range Fixed from 0.2 - 100s  $\pm 15\%$  or  $\pm 0.1$ s, whichever is greater

#### Restart Delay Range

Fixed from 0.4s - 999m  $\pm 15\%$  or  $\pm 0.2$ s, whichever is greater

#### Phase Reversal & Phase Loss Response Phase Loss

$\leq 200$ ms; automatic reset  
 $\geq 25\%$  unbalance

#### Output Type Rating

Isolated, SPDT

#### 208 to 240VAC (55°C)

10A resistive @ 125VAC, 5A @ 250VAC, 1/4 hp @ 125VAC

#### 380 to 480VAC

10A resistive @ 240VAC, 1/4 hp @ 125VAC, 1/3 hp @ 250VAC, max. voltage 277VAC  
Mechanical -  $1 \times 10^6$ ; Electrical -  $1 \times 10^5$

#### Life

#### Protection

#### Phase Reversal/Failure Motors and Generators Surge

ASME A17.1 Rule 210.6  
NEMA MG1 14:30, 14:35  
IEEE C62.41-1991 Level B

#### Dielectric Breakdown

#### 208 to 240VAC 380 to 480VAC

$\geq 1500$ V RMS input to output terminals  
 $\geq 2500$ V RMS input to output terminals

#### Mechanical

#### Mounting Dimensions

Surface mount with one #8 (M5 x 0.8) screw  
**H** 50.8 mm (2.0"); **W** 50.8 mm (2.0");  
**D** 31.75 mm (1.25")

#### Termination

0.25 in. (6.35 mm) male quick connect terminals

#### Environmental

#### Operating/Storage

#### Temperature Humidity Weight

-40° to 55°C / -40° to 85°C  
95% relative, non-condensing  
 $\approx 2.8$  oz (79 g)