

SIMM Series Output Modules

- * 6.2 mm wide and 65 mm deep
- * DIN Rail mounted
- * LED input status indicator
- * Bridges enable quick linking of common voltage
- * Identification zone on front face
- * IP20



Part numbers

| | 84145001 | 84145004 | 84145005 | 84145010 | 84145011 | 84145015 |
|---|----------|--------------|-----------|----------|----------|-----------|
| Input Characteristics (at ambient 25 C°) | | | | | | |
| Nominal voltage | 24Vdc | 110Vac/dc | 230Vac | 5Vdc | 24Vdc | 230Vac |
| Operating voltage range | 10-44Vdc | 70-130Vac/dc | 90-230Vac | 4-5.5Vdc | 10-44Vdc | 90-230Vac |
| Max input current | 6 mA | 7 mA | 8.5 mA | 6 mA | 6 mA | 7mA |
| Drop out voltage | 5Vdc | 30Vac/dc | 40Vac | 2Vdc | 3Vdc | 40Vac |

Output Characteristics (at ambient 25 C°)

| | | | | | | |
|-------------------------|------------|------------|------------|------------|------------|------------|
| Operating voltage range | 5-48Vdc | 5-48Vdc | 5-48Vdc | 5-48Vdc | 5-48Vdc | 5-48Vdc |
| Max current | 0.5A | 0.5A | 0.5A | 2A | 2A | 2A |
| Output Type | Transistor | Transistor | Transistor | Transistor | Transistor | Transistor |

General Characteristics

| | | | | | | |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Operating temperature range | -20 to 60°C | -20 to 60°C | -20 to 60°C | -20 to 60°C | -20 to 60°C | -20 to 60°C |
| Storage temperature range | -40 to 80°C | -40 to 80°C | -40 to 80°C | -40 to 80°C | -40 to 80°C | -40 to 80°C |
| Turn-On time | 20 us | 30 ms | 45 ms | 1 ms | 1 ms | 1 ms |
| Turn-Off time | 100 us | 20 ms | 15 ms | 5 ms | 5 ms | 10 ms |
| Switching frequency | 1k Hz | 10 Hz | 10 Hz | 10 Hz | 10 Hz | 10 Hz |
| Weight | 1.13 oz | 1.13 oz | 1.13 oz | 1.06 oz | 1.06 oz | 1.06 oz |

Part numbers

| | 84145020 | 84145021 | 84145024 | 84145025 | 84145031 |
|---|----------|----------|--------------|------------|----------|
| Input Characteristics (at ambient 25 C°) | | | | | |
| Nominal voltage | 5Vdc | 24Vdc | 110Vac/dc | 230Vac | 24Vdc |
| Operating voltage range | 4-6.2Vdc | 10-44Vdc | 70-130Vac/dc | 140-250Vac | 10-44Vdc |
| Max input current | 6mA | 6mA | 6mA | 7mA | 6 mA |
| Drop out voltage | 2Vdc | 3Vdc | 35Vac/dc | 80Vac | 3Vdc |

Output Characteristics (at ambient 25 C°)

| | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Operating voltage range | 24-250Vac | 24-250Vac | 24-250Vac | 24-250Vac | 24-250Vac |
| Max current | 0.5A | 0.5A | 0.5A | 0.5A | 1A |
| Output Type | Triac | Triac | Triac | Triac | Triac |

General Characteristics

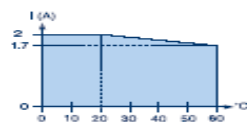
| | | | | | |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| Operating temperature range | -20 to 60°C | -20 to 60°C | -20 to 60°C | -20 to 60°C | -20 to 60°C |
| Storage temperature range | -40 to 80°C | -40 to 80°C | -40 to 80°C | -40 to 80°C | -40 to 80°C |
| Turn-On time | 10 ms | 10 ms | 10 ms | 10 ms | 8.33 ms |
| Turn-Off time | 10 ms | 10 ms | 10 ms | 10 ms | 8.33 ms |
| Switching frequency | 20 Hz | 20 Hz | 20 Hz | 20 Hz | 20 Hz |
| Weight | 1.13 oz | 1.13 oz | 1.13 oz | 1.13 oz | .95 oz |

Derating Curves:

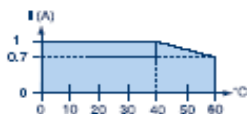
84145001 / 004 / 005
84145010 / 011 / 015



84145010 / 011 / 015



84145031



84145001 / 004 / 005
84145020 / 021 / 024 / 025



84145020 / 021 / 024 / 025



84145031



Dimensions:

Solid State Output:

