

## Dual Input/Multi Output (DIMO)

### Field Wiring Terminals

The Dual Input/ Multi Output (DIMO) Field Wiring Terminals are efficient, compact, and cost-effective methods of providing power backup and maintaining high network availability. They can be used to offer redundancy from legacy installations or to offer redundant power backup for legacy equipment.

Figure 1



Figure 2



#### DIMO Field Wiring Terminals:

- Offer dual inputs to connect to two separate power sources and up to four power

Many of the previously installed equipment, such as network switches and appliances, were placed in mission critical networks but did not feature dual-power inputs. The DIMO Field Wiring Terminals provide dual power supplies for up to four devices. If one power source connected to one of the DIMO's dual power inputs is interrupted, the DIMO auto-senses this and instantly switches on power input through the other independent power input. This ensures uninterrupted power supply to the end devices. The DIMO Field Wiring Terminal can also withstand surges up to 5kV.

- **Support PoE+ (IEEE 802.1at) and PoE (IEEE 802.1af)**

These days critical infrastructure facilities are at risk. This makes providing redundant power inputs to the Power over Ethernet (PoE) switches that power the surveillance cameras of different facilities to stay up and running. The DIMO Field Wiring Terminals offer PoE security and surveillance applications.

- **Have ruggedized, compact design for operating in extreme environments with temperature ranging from -40 deg. Cel. To +85 deg. Cel. Maximum wattage on each output 100 Watts**

- **The DIMO Field Wiring Terminals are designed with advanced thermal properties. Some of its models can operate in temperatures ranging from -40°C to +85°C and include convection cooling that ensures longer life and resistance against contaminants, such as dirt and dust. These features of the DIMO Terminals make them very suitable for industrial and utility settings where uptime is critical. The DIMO Terminals ability to perform well in extreme temperatures along with their compact size also makes them suitable for outdoor locations and for enclosures where there are drastic temperature changes.**

- **Support both high and low power ranges of 12, 24/28, 48/55, 110, 125, 150, or 250 VDC**

- **Can be mounted on DIN-Rail, panel or tray**

- **Are rigorously tested and meet all compliance industry standards of safety, emission, shock, and vibration along with industry specific compliances, such as DNV, CE, and NEBS**

### Specifications for DIMO Field Wiring Terminals

DIMO Field Wiring Terminals ensure high availability and are ideal for mission critical networks.

Table 1. Lists the specifications for DIMO Terminals.

Table 1: Specifications for DIMO Field Wiring Terminals



	<ul style="list-style-type: none"> <li>■ Telecom: NEBS, GR63 &amp; GR1089, L3; ETSI 300 386, EN 301 489</li> <li>■ Railways: EN50155 and EN50121-4 Compliant</li> <li>■ Vibration: IEC 60068-2-6</li> <li>■ Shock: IEC 60068-2-27</li> <li>■ Freefall: IEC 60068-2-32</li> <li>■ RoHS (Pb free) and WEEE compliant</li> <li>■ Immunity: <ul style="list-style-type: none"> <li><input type="checkbox"/> EN61000-4-2 (ESD) Level 4; EN61000-4-3 (RFI) Level 4</li> <li><input type="checkbox"/> EN61000-4-4 (EFT) Level 4; EN61000-4-5 (Surge) Level 4</li> <li><input type="checkbox"/> EN61000-4-6 (C. Susceptibility) Level 3</li> <li><input type="checkbox"/> EN61000-4-8 (PF Magnetic Field) Level 4</li> <li><input type="checkbox"/> EN61000-4-10 (Damp Osc.) Level 4</li> <li><input type="checkbox"/> EN61000-4-11 (VDI) Class 3</li> <li><input type="checkbox"/> EN61000-4-12 (Osc. Wave Im.) Level 3</li> <li><input type="checkbox"/> EN61000-4-16 (I.C. CMD) Level 3</li> <li><input type="checkbox"/> EN61000-4-29 VDSI on DC Input</li> <li><input type="checkbox"/> EN61000-6-2; EN61000-6-5 DT&amp;T-NL, Immunity PS&amp;SS</li> </ul> </li> </ul>
<b>Mechanical</b>	<ul style="list-style-type: none"> <li>■ Case: Ready to be DIN rail or panel mounted</li> <li>■ Material: Corrosion-resistant steel with powder coating</li> <li>■ Dimensions: <ul style="list-style-type: none"> <li><input type="checkbox"/> Width: 4.8 in (12.1 cm)</li> <li><input type="checkbox"/> Height: 1.7 in (4.3 cm)</li> <li><input type="checkbox"/> Depth: 4.2 in (10.7 cm)</li> <li><input type="checkbox"/> Depth w/retainer brkt: 4.5 in (11.4 cm)</li> </ul> </li> </ul>
<b>IP Rating</b>	IP42 (IEC 529, NEMA 250)
<b>Warranty</b>	5 years
<b>Made in</b>	USA