

TDM1.2-100-300-W1-000

Industrial automation components

Manufacturer	Indramat
Catalog number	tdm12-100-300-w1-000
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	7.71 kgs
Voltage	300 V
Current	100 A
Product Type	Controller
Signal Type	300
Signal Level	300 V

Description

The Indramat TDM1.2-100-300-W1-000 is a high-performance AC servo drive module from the TDM Series, engineered for precision motion control in industrial automation applications. Designed to operate seamlessly with MAC 71 to MAC 160 Indramat motors, this drive ensures reliable and efficient performance in demanding environments. It features a continuous current rating of 65 Amps and a peak current capacity of 100 Amps, providing robust torque delivery for various automation tasks. The drive operates with a nominal DC bus voltage of 300 Volts, accommodating a $\pm 15\%$ fluctuation range, and incorporates a built-in fan cooling system to maintain optimal operating temperatures. With a power output of 30 kilowatts and a protection rating of IP10, the TDM1.2-100-300-W1-000 is well-suited for applications requiring high power and durability, such as machine tools, assembly lines, and robotics. Its compact design and efficient cooling system make it an ideal choice for integration into multi-axis systems, ensuring stable thermal performance and enhanced uptime in high-cycle applications.