

## TDM1.3-100-300-W1-000

Industrial automation components

<b>Manufacturer</b>	Indramat
<b>Catalog number</b>	tdm13-100-300-w1-000
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	9.07 kgs
<b>Signal Type</b>	300
<b>Voltage</b>	300 V
<b>Signal Level</b>	300 V
<b>Continuous Current</b>	65 A
<b>Peak Current</b>	100 A
<b>Nominal DC Bus Voltage</b>	300 V
<b>Power Output</b>	30 kW
<b>Power Loss</b>	400 W
<b>Weight</b>	10.5 kg

### Description

The Indramat TDM1.3-100-300-W1-000 is a high-performance digital servo drive module engineered for precise control of MAC permanent magnet three-phase synchronous motors. Designed for demanding industrial applications such as CNC machining, printing presses, tooling, and packaging, this module ensures reliable and efficient motion control. Key features include a continuous current rating of 65 A, a peak current capability of 100 A, and a nominal DC bus voltage of 300 V. The built-in fan cooling system provides effective thermal management, while the internal generation of the fan's supply voltage simplifies wiring and enhances system reliability. With a power output of 30 kW and a power loss of 400 W, the TDM1.3-100-300-W1-000 delivers robust performance while maintaining energy efficiency. The module operates within an ambient temperature range of 5°C to 45°C and can be stored and transported between -30°C and 85°C, accommodating various industrial environments. Its compact design, weighing 10.5 kg, facilitates straightforward integration into control cabinets. The TDM1.3-100-300-W1-000 is part of Indramat's TDM series, known for its modular construction and advanced features, making it a reliable choice for high-precision motion control tasks.