

## TDM1.3-030-300-W1-000

Industrial automation components

<b>Manufacturer</b>	Indramat
<b>Catalog number</b>	tdm13-030-300-w1-000
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Voltage</b>	300 V
<b>Product Type</b>	Drive
<b>Signal Type</b>	300
<b>Signal Level</b>	300 V
<b>Type Current</b>	30 A
<b>Dimensions</b>	7 x 34 x 40 cm
<b>Weight</b>	10 kg
<b>Compatible Servomotors</b>	MAC 71 to MAC 160
<b>Cooling Method</b>	Built-in Fan
<b>Compatible Servomotors</b>	MAC 71 to MAC 160
<b>Connectors</b>	X1 (bus voltage), X2 (MOD module), X6 (tacho-voltage)
<b>Status LEDs</b>	BS (current status), Bb (operational readiness), Power (fault-free status)
<b>Operating Temperature Range</b>	-30 to +85 °C

## Description

The Indramat TDM1.3-030-300-W1-000 is a high-performance servo drive module from the TDM series, engineered for precise motion control in industrial automation applications. Designed to operate with a type current of 30 A and a link circuit rated voltage of DC 300 V, this module ensures reliable and efficient performance in demanding environments. The built-in fan provides active cooling, with the rated connection voltage for the fan generated internally, maintaining optimal thermal management during continuous operation. The module features a compact design with dimensions of 7 x 34 x 40 cm and a weight of 10 kg, facilitating flexible installation in control cabinets and high-density panels. It is compatible with Indramat's MAC 71 to MAC 160 servomotor range, ensuring synchronized performance across various applications. The insulation class C rating per DIN VDE 0110 and the ambient storage and transport range from -30 °C to +85 °C enhance the module's durability and reliability. The TDM1.3-030-300-W1-000 is equipped with multiple connectors, including X1 for bus voltage, X2 for the MOD module, and X6 for tacho-voltage, along with busbars labeled L+ and L- for DC link energy distribution. Status indicators such as the BS LED, Bb LED, and Power LED provide real-time operational feedback, facilitating seamless commissioning and maintenance. This servo drive module is an ideal solution for medium-power automation tasks that demand stringent temperature control, compact design, and robust electrical interfaces.