

## TDM1.2-050-300-W1/S102-220

Industrial automation components

<b>Manufacturer</b>	Indramat
<b>Catalog number</b>	tdm12-050-300-w1s102-220
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Continuous Current</b>	45 A
<b>Peak Current</b>	50 A
<b>Nominal DC Bus Voltage</b>	300 V
<b>Continuous Power Output</b>	15 kW
<b>Cooling Type</b>	Forced Ventilation
<b>Protection Class</b>	IP10
<b>Weight</b>	10 kg

### Description

The Indramat TDM1.2-050-300-W1/S102-220 is a modular AC servo control drive unit from Indramat's TDM Series, designed for precise control of MAC three-phase motors in industrial automation applications. This servo drive features a continuous current rating of 45A, with a peak current capacity of 50A, and operates with a nominal DC bus voltage of 300V. It delivers a continuous power output of 15 kW, ensuring reliable performance in demanding environments. The unit employs forced ventilation cooling via an internal blower, maintaining optimal operating temperatures. It is housed in an IP10 protection class enclosure, providing basic protection against ingress when installed in a control cabinet. The drive complies with insulation category C according to DIN VDE 0110 and humidity classification F according to DIN 40 040, ensuring durability and reliability in various industrial settings. With a weight of 10 kg, the TDM1.2-050-300-W1/S102-220 is suitable for applications requiring precise motion control, such as metal machining, woodworking, transfer lines, and automated assembly systems.