

TDM1.2-100-300-W1-S102

Industrial automation components

Manufacturer	Indramat
Catalog number	tdm12-100-300-w1-s102
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Current	65 A
Peak Current	100 A
Power Output	30 kW
Cooling Method	Built-in Fan
Insulation Class	Class C
Protection Rating	IP10
Weight	10.5 kg

Description

The Indramat TDM1.2-100-300-W1-S102 is a modular AC servo drive unit from the TDM Series, engineered for precise control of MAC servo motors in industrial automation applications. Designed to operate with a nominal DC bus voltage of 300V and a continuous current rating of 100A, this servo drive ensures reliable performance in demanding environments. It delivers a power output of 30 kW, suitable for high-performance motion control tasks. The unit features a built-in fan cooling system, operating on 115/230 Volts AC, which maintains optimal operating temperatures and enhances system reliability. With an insulation class C rating, the TDM1.2-100-300-W1-S102 meets industry standards for dielectric reliability. The drive is housed in an IP10 protection-rated enclosure, providing basic protection against incidental contact and dust ingress. Weighing 10.5 kilograms, it is designed for easy integration into control cabinets. This servo drive module is ideal for applications requiring precise motion control, such as packaging, printing, and material-handling systems, where high power output and reliable operation are essential.