

TVM1.2-050-220/300-W1/220/380

Industrial automation components

Manufacturer	Indramat
Catalog number	tvm12-050-220300-w1220380
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	10.46 kgs
Voltage	220 V
Current	50 A
Frequency	50 - 60 Hz
Signal Level	220 V
Relay Specifications	220 VAC
Product Type	Module
Signal Type	220

Description

The Indramat TVM1.2-050-220/300-W1/220/380 is a robust power supply module designed to deliver reliable DC power to Indramat drives, ensuring optimal performance in industrial automation systems. This module features a continuous current rating of 50 A, with a peak current capability of 150 A, accommodating demanding operational requirements. It accepts a three-phase AC input voltage of 220 V ($\pm 15\%$) at a frequency of 50 to 60 Hz, providing a nominal DC bus voltage of 300 V ($\pm 15\%$). The module is equipped with an internal blower for efficient cooling, maintaining optimal operating temperatures. Control electronics are powered by a single-phase AC input of either 220 V or 380 V ($\pm 10\%$) at 50 to 60 Hz. Designed for vertical mounting, it has an IP10 protection rating, suitable for environments with minimal dust exposure. The operating temperature range is from 5°C to 45°C, with a maximum permissible ambient temperature of 55°C under reduced rated data. The module has a storage and transport temperature range of -30°C to 85°C. With a weight of approximately 15 kg, it is built to withstand the rigors of industrial applications, ensuring longevity and reliability in demanding settings.