

TDM4.1-020-300-W0

Industrial automation components

Manufacturer	Indramat
Catalog number	tdm41-020-300-w0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	7.14 kgs
Product Type	Drive
Signal Type	300
Voltage	300 V
Signal Level	300 V

Description

The Indramat TDM4.1-020-300-W0 is a high-performance servo drive module engineered for precision control in industrial automation applications. Designed by Indramat, a leader in motion control technology, this module is ideal for use in CNC machine tools, robotics, and automated assembly lines. It operates with a 20 A input current at a 300 V DC bus voltage, delivering up to 6 kW of power with minimal losses of 110 W. The drive features natural convection cooling, eliminating the need for external cooling systems, and is built to insulation class C standards, ensuring reliable operation in demanding environments. With a compact design weighing 8 kg, it is suitable for integration into space-constrained control cabinets. The TDM4.1-020-300-W0 operates efficiently within ambient temperatures ranging from +5 °C to +45 °C, making it versatile for various industrial settings. Its IP10 protection rating indicates suitability for use in clean, dry environments. This servo drive module is compatible with Indramat's MAC series servomotors, providing a cohesive solution for high-precision motion control tasks.