

DDS3.1-W030-R

Industrial automation components

Manufacturer	Indramat
Catalog number	dds31-w030-r
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	2.60 kgs
Voltage	300 V
Product Type	Drive
Signal Type	300
Signal Level	300 V
Current	30 A

Description

The Indramat DDS3.1-W030-R is a high-performance digital AC servo drive controller designed for precise and dynamic motion control in industrial automation applications. Manufactured by Indramat, now part of Bosch Rexroth, this drive is engineered to deliver exceptional accuracy and rapid response times, making it ideal for complex machinery requiring reliable operation. The DDS3.1-W030-R seamlessly integrates with Indramat servo motors and control systems, providing a comprehensive solution for demanding manufacturing and processing environments. Its advanced digital control capabilities ensure optimal performance, contributing to increased productivity and enhanced overall machine efficiency. Key features include a rated current of 30A, internal cooling, and digital servo motor feedback. The drive operates with a DC bus voltage of 300V DC $\pm 15\%$ and utilizes air cooling from inside the control cabinet. The DDS3.1-W030-R is part of the DDS series, known for its modular design and compatibility with various Indramat servo motors, including MDD, LAR, and MKD series. This drive is suitable for applications requiring precise motion control and reliable performance in industrial settings.