

KDS 1.3-100-300-W1

Industrial automation components

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| Manufacturer | Indramat |
| Catalog number | kds-13-100-300-w1 |
| Category | Industrial automation components |
| Product type | Industrial automation components |
| Status | Active product |

Technical specification

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| Continuous Current | 93 A |
| Peak Current | 100 A |
| Rated Voltage | 300 V DC |
| Operating Temperature Range | 5 to 45 °C |
| Enclosure Rating | IP10 |

Description

The Indramat KDS 1.3-100-300-W1 is a high-performance servo drive module engineered for precise motor control in industrial automation applications. Designed to operate within a compact enclosure, it features a mounted fan cooling system that ensures efficient thermal management. This module supports a continuous current of 93 A and a peak current of 100 A, with a rated voltage of 300 V DC, making it suitable for demanding environments requiring reliable performance. The KDS 1.3-100-300-W1 operates efficiently within an ambient temperature range of 5°C to 45°C, with a derating curve of 2% per °C above the upper limit, ensuring predictable performance under varying environmental loads. Its modular design allows for seamless integration into multi-axis systems, and it interfaces with industry-standard feedback networks, facilitating easy integration into existing automation setups. The unit is housed in an enclosure rated IP10, providing protection against accidental ingress. With a weight of 15.2 kg, it is designed for vertical mounting, optimizing space utilization in control cabinets. The KDS 1.3-100-300-W1 is ideal for applications in packaging, assembly, and robotics, where precise, dynamic motion control is essential.