

## MSK050C-0300-NN-M1-UG0-NNNN

Industrial automation components

<b>Manufacturer</b>	Indramat
<b>Catalog number</b>	msk050c-0300-nn-m1-ug0-nnnn
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	5.73 kgs
<b>Signal Level</b>	600 V
<b>Relay Specifications</b>	600 VAC
<b>Current</b>	3.1 A
<b>Component Specifications</b>	msk050c
<b>Torque</b>	5
<b>Speed (RPM)</b>	9000
<b>Product Type</b>	Motor
<b>Signal Type</b>	600

### Description

The Indramat MSK050C-0300-NN-M1-UG0-NNNN is a high-performance synchronous servomotor from the MSK IndraDyn S series, engineered for precise motion control in industrial automation applications. Designed with a motor size of 050 and a motor length classification of C, it integrates seamlessly into standardized machine architectures. The motor features a plain shaft and operates without a holding brake, accommodating custom braking solutions. Cooling is achieved through natural convection, eliminating maintenance-prone fans. Motion feedback is provided by an optical encoder system with a rotatable 240° connector, offering multiturn absolute position data via the Hiperface interface. The motor's rated speed code of 0300 corresponds to a nominal speed well suited for mid-range servo applications. It delivers a continuous torque at standstill of 3 Nm and a maximum torque of 9 Nm, drawing a continuous current at standstill of 3.4 A (with peaks up to 14.8 A). The number of pole pairs (4) ensures smooth operation and efficient torque generation across the speed range, while a sound pressure level below 75 dB(A) maintains a quiet workspace. This motor is ideal for applications requiring high-accuracy motion control, such as packaging, assembly, and robotics.