

HMS02.1N-W0028-A-07-NNNN

Industrial automation components

Manufacturer	Indramat
Catalog number	hms021n-w0028-a-07-nnnn
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Current	18.4 A
Product Type	Inverter
Signal Level	750 V
Relay Specifications	500 VAC
Voltage	254 - 750 V
Signal Type	750

Description

The Indramat HMS02.1N-W0028-A-07-NNNN is a single-axis inverter from Bosch Rexroth's HMS Axis Inverters series, designed for industrial automation applications requiring precise motor control. Operating with a nominal DC bus voltage of 700 V, it accepts a DC input voltage range of 254–750 V at a rated current of 18.4 A, delivering a 3-phase AC output voltage of 0–500 V with a rated maximum current of 28 A (continuous 25 A). The inverter features internal air cooling with an integrated blower, ensuring efficient heat dissipation during continuous operation. It is housed in an IP20 protection class enclosure, suitable for installation within control cabinets. The device operates within an ambient temperature range of 0–40°C and tolerates humidity levels from 5% to 95%, making it versatile for various industrial environments. The inverter is designed to withstand short-circuit currents up to 42 kA rms, providing robust protection against electrical faults. Installation requires an 80 mm clearance above and below the unit to maintain optimal airflow and cooling performance. With a compact design measuring 50 mm in width, 352 mm in height, and 252 mm in depth, and weighing 3.5 kg, the HMS02.1N-W0028-A-07-NNNN is suitable for integration into space-constrained industrial systems.