

6SE6420-2UD27-5CA1

Industrial automation components

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| Manufacturer | Siemens |
| Catalog number | 6se6420-2ud27-5ca1 |
| Category | Industrial automation components |
| Product type | Industrial automation components |
| Status | Active product |

Technical specification

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| Weight | 4.90 kgs |
| Voltage | 380 - 480 V |
| Product Type | Drive |
| Signal Type | 480 |
| Signal Level | 480 V |
| Current | 22 A |
| Power | 7.5 kW |
| Frequency | 50 - 60 Hz |
| Cooling Capacity | 7.5 kW |
| Relay Specifications | 480 VAC |

Description

The Siemens MICROMASTER 420 Inverter Drive, model 6SE6420-2UD27-5CA1, is engineered for precise motor control in industrial automation applications. Designed for 3-phase systems operating at 380–480V AC, this drive delivers a constant torque power of 7.5 kW, suitable for demanding processes requiring consistent performance. It features an overload capacity of 150% for 60 seconds, ensuring reliability during transient conditions. The drive operates within a frequency range of 47–63 Hz, accommodating various industrial standards. Its compact dimensions of 245 x 185 x 195 mm (H x W x D) and a weight of 5.5 kg facilitate easy integration into existing systems. With an IP20 protection rating, it offers moderate protection against dust and debris, making it suitable for controlled environments. The ambient temperature range of -10 to +50°C allows for versatile deployment in diverse industrial settings. Notably, this model does not include an Assistant Operator Panel (AOP) or Basic Operator Panel (BOP), which may be considerations for user interface requirements. The MICROMASTER 420 series is recognized for its reliability and efficiency, making it a preferred choice for applications such as conveyors, pumps, fans, and compressors. Its robust design and advanced features contribute to enhanced operational efficiency and reduced downtime in industrial operations.