UNIDRIVE SPM MODULAR DRIVES

# Product Data Sheet

## SPMD1404

380-480 V modular drive with dynamic braking

| FUNCTION | FAMILY | ORIGIN | WEIGHT |
|---|---|---|---|
| **380-480 V modular drive with** | **Unidrive SPM modular drives** | **United Kingdom** | **55.00 kg** |

Control Techniques SPMD1404 is a modular DC-input / AC-output drive with dynamic braking for the Unidrive SPM modular drives. The values below are limited to the exact documented article.

## 01 VERIFIED TECHNICAL DATA

| | |
|---|---|
| Module architecture | DC input / AC output drive module |
| Voltage class | 380-480 V AC +/-10% |
| Dynamic braking configuration | Included |
| Normal-duty continuous current | 350 A; 335 A unless separately cooled |
| Normal-duty motor power | 200 kW at 400 V |
| Normal-duty motor rating | 300 hp at 460 V |
| Heavy-duty continuous current | 290 A |
| Heavy-duty motor power | 160 kW at 400 V |
| Heavy-duty motor rating | 250 hp at 460 V |
| Cooling-fan supply | 24 V DC, 5.0 A |

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Enclosure rating | IP20 / NEMA 1 |
| Through-panel rating | IP54 / NEMA 12 |
| Ambient temperature | -15 to +40 C; derated to +50 C |
| Relative humidity | 95% maximum, non-condensing at 40 C |
| Operating altitude | 0-3000 m; 1% derating per 100 m above 1000 m |

## 03 OFFICIAL APPLICATIONS

- Metal Production and Mineral Processing: Rolling, processing and mineral-production operations
- Pulp and Paper Product Manufacturing: Pulp, fibre and paper-production operations
- Petroleum and Natural Gas Processing: Upstream, downstream and gas-processing operations

## 04 SYSTEM COMPATIBILITY

Match SPMD1404 to the installed Unidrive SPM modular drives, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## 05 OFFICIAL SOURCES

**Control Techniques Unidrive SPM Modular Drive Systems Brochure**

https://acim.nidec.com/drives/control-techniques/-/media/controltechniques/documents/pl-pl/unidrive_spm_brochure_pl.ashx

**AMIKON PRODUCT SUPPORT**

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