25A-D1P4N104

Allen-Bradley · PowerFlex 520 Series

PowerFlex 523 AC drive, member of the PowerFlex 520-series platform, 380…480V AC, 3-phase input, 0.4 kW (0.5 HP) normal duty and 0.4 kW (0.5 HP) heavy duty at 1.4 A, Frame A, IP20 NEMA/Open Type, no integral EMC filter.

Hardware

Product type: AC adjustable-frequency drive — PowerFlex 523, a member of the PowerFlex 520-series platform (catalog prefix 25A) (per 520-TD001I-EN-E p. 1 (cover: PowerFlex 520-series AC Drive Specifications) and 520-UM001O-EN-E p. 14, Catalog Number Explanation)
Drive family: PowerFlex 520 Series; PowerFlex 523 is one of the three members (523, 525, 527) — there is no standalone "PowerFlex 520" catalog prefix (per 520-UM001O-EN-E p. 1 (title page: PowerFlex 520-series Adjustable Frequency AC Drive, Bulletin Numbers 25A series B, 25B) — this record is the 25A (PowerFlex 523) member)
Catalog number structure: 25A-D1P4N104: drive 25A, voltage code D (380…480V AC), rating code 1P4, enclosure N = IP20 NEMA/Open, interface module 1 = Standard, EMC filter 0 = No Filter, braking 4 = Standard (brake IGBT) (per 520-UM001O-EN-E p. 14, Catalog Number Explanation)
Drive voltage class: 380…480V AC, 3-phase (per 520-TD001I-EN-E pp. 14…15, PowerFlex 520-series Drive Ratings — row 25A-D1P4N104)
Enclosure / mounting: IP20 NEMA/Open Type, panel mount; IP30 / NEMA 1 / UL Type 1 requires the 25-JBAx option kit. Frames A…C accept DIN-rail or screw mounting; frames D and E are screw mounted only (per 520-UM001O-EN-E p. 168, Environmental Specifications (mounting and DIN rail notes))
Frame size: A (per 520-UM001O-EN-E p. 12, Drive Frame Sizes — the catalog-number to frame-size cross-reference is published in Appendix B)
Control method: sinusoidal PWM; control methods: Volts/Hertz, sensorless vector control and Economizer SVC (the 523 does not support closed-loop vector, permanent-magnet motor control or the position/velocity modes of the 527) (per 520-UM001O-EN-E p. 170, Control Specifications — Method)
Carrier frequency: 2…16 kHz; published drive rating is based on 4 kHz (per 520-TD001I-EN-E p. 10, Control Specifications)
Human interface: standard interface module with integral keypad, potentiometer and LED display (per 520-UM001O-EN-E p. 14 (interface module code 1 = Standard))
Integral EMC filter: no integral EMC filter (catalog EMC-filter digit 0); external filters provide EN 61800-3 Category C1/C2/C3 compliance (per 520-UM001O-EN-E p. 14 (EMC filter / emission class code) and 520-TD001I-EN-E p. 25, RF Emission Compliance)
Braking: integral brake IGBT fitted (catalog braking digit 4); dynamic braking requires an external brake resistor (per 520-UM001O-EN-E p. 14 (Braking code 4 = Standard))
Internal DC bus choke: "11 kW (15 HP)" for the 380…480V AC input class, and this catalog number's normal duty / heavy duty rating above (so it falls outside that entry) (per 520-UM001O-EN-E p. 169, Technical Specifications)
Cooling: fan cooled; optional Control Module Fan Kit 25-FANx-70C raises the maximum surrounding air temperature to 70 °C (per 520-UM001O-EN-E p. 168, Control Module Fan kit note and 520-TD001I-EN-E p. 17 (Ambient Operating Temperatures))
Encoder feedback: no encoder option is supported on PowerFlex 523 (per 520-TD001I-EN-E p. 12, Encoder Specifications — the PowerFlex 523 column is an em-dash, so no encoder option is published for this family)

Drive Ratings

Rated output power — Normal Duty: 0.4 kW (0.5 HP) (per 520-TD001I-EN-E pp. 14…15, PowerFlex 520-series Drive Ratings — row 25A-D1P4N104)
Rated output power — Heavy Duty: 0.4 kW (0.5 HP) (per 520-TD001I-EN-E pp. 14…15, PowerFlex 520-series Drive Ratings — row 25A-D1P4N104)
Continuous output current: 1.4 A maximum at rated output voltage (per 520-TD001I-EN-E pp. 14…15, PowerFlex 520-series Drive Ratings — row 25A-D1P4N104)
Output voltage: 0 V to rated motor voltage (three-phase output at terminals T1, T2 and T3) (per 520-UM001O-EN-E p. 170, Control Specifications — Output Voltage Range)

Output frequency: 0…500 Hz (programmable) (per 520-UM001O-EN-E p. 170, Control Specifications)
Intermittent overload — Normal Duty: 110 % of rated output current for up to 60 s, 150 % for up to 3 s; published as applying to power ratings above 15 kW (20 HP) and based on the 480V drive rating (per 520-UM001O-EN-E p. 170, Control Specifications)
Intermittent overload — Heavy Duty: 150 % of rated output current for up to 60 s, 180 % for up to 3 s (per 520-UM001O-EN-E p. 170, Control Specifications)
Efficiency: 97.5 % (typical) (per 520-UM001O-EN-E p. 170, Control Specifications)
Speed regulation — no encoder: V/Hz ±1 % of base speed across a 60:1 range; SVC and SVC Economizer ±0.5 % **across a 100:**1 range (per 520-UM001O-EN-E p. 170, Control Specifications)
Frequency accuracy: digital input within ±0.05 % of set output frequency; analog input within 0.5 % of maximum output frequency (10-bit resolution); analog output ±2 % of full scale (10-bit resolution) (per 520-UM001O-EN-E p. 170, Control Specifications)
Accel/decel: 4 independently programmable accel and decel times, each 0…600 s in 0.01 s increments (per 520-UM001O-EN-E p. 170, Control Specifications)
Stop modes: multiple programmable stop modes including Ramp, Coast, DC-Brake and Ramp to Stop (per 520-UM001O-EN-E p. 170, Control Specifications)

Control I/O

Digital inputs: 1 dedicated Stop input + 4 programmable; 6 mA input current; SRC mode 18…24V DC = ON / 0…6V DC = OFF; SNK mode 0…6V DC = ON / 18…24V DC = OFF (per 520-UM001O-EN-E pp. 170…171)
Pulse train input: 1, shared with one programmable digital input; 0…100 kHz; transistor (open collector) (per 520-UM001O-EN-E pp. 170…171)
Analog input: 1 isolated, 0…10V DC or 4…20 mA; 10-bit resolution; 100 kΩ voltage / 250 Ω current input impedance; external potentiometer 1…10 kΩ, 2 W minimum (per 520-UM001O-EN-E pp. 170…171)
Relay output: 1 programmable Form C; 3.0 A resistive / 0.5 A inductive at 30V DC, 125V AC and 240V AC (per 520-UM001O-EN-E pp. 170…171)
Analog output: 1 non-isolated, 0…10V or 4…20 mA; 10-bit resolution (per 520-UM001O-EN-E pp. 170…171)

Communication

Built-in port: 1 × RS-485 DSI (Drive Serial Interface) on the RJ45 terminal C1 (per 520-UM001O-EN-E Appendix C, p. 205)
No embedded EtherNet/IP port on PowerFlex 523; EtherNet/IP requires the 25-COMM-E2P option card
Modbus RTU over the RS-485 port: the Drive Serial Interface supports Modbus function codes 03 Read Holding Registers, 06 Preset (Write) Single Register and 16 (10 hex) Preset (Write) Multiple Registers; Modbus masters may be 0-based or 1-based, so register addresses can need a +1 offset (per 520-UM001O-EN-E Appendix C, p. 207)
Modbus networking: multi-drop on an RS-485 network in RTU mode; C123 [RS485 Data Rate] 1200…38400 bit/s (default 9600), C124 [RS485 Node Addr] 1…247 (default 100), C127 [RS485 Format] RTU 8-N-1 (default), 8-E-1, 8-O-1, 8-N-2, 8-E-2 or 8-O-2 (per 520-UM001O-EN-E pp. 102…103)
RS-485 wiring: termination resistors at each end of the network cable; RS-485 repeaters may be needed for long runs or for more than 32 nodes; network wiring to be separated from power wires by at least 0.3 m (1 ft) and only crossed at right angles (per 520-UM001O-EN-E p. 206)
Communication-loss handling: C125 [Comm Loss Action] Fault (default), Coast Stop, Stop or Continue Last, with C126 [Comm Loss Time] 0.1…60.0 s (default 5.0 s) (per 520-UM001O-EN-E p. 102)
Only pins 4 and 5 of the RJ45 DSI connector are used for the network; the remaining pins carry power and other Rockwell Automation peripheral signals and must not be connected (per 520-UM001O-EN-E p. 206)
Communication option cards: 520-TD001I-EN-E p. 38 lists the 520-series communication adapters 25-COMM-D DeviceNet, 25-COMM-E2P dual-port EtherNet/IP, 25-COMM-P PROFIBUS DP-V1 and 25-COMM-PNET2P PROFINET; accessory cards are supported without affecting the drive footprint and the published card counts are one for PowerFlex 523 and two for PowerFlex 525 (520-TD001I-EN-E p. 3)
Accessories: 22-SCM-232 serial converter module (RS-485 to RS-232, DF1 protocol), 22-RJ45CBL-C20 2.0 m DSI cable, AK-U0-RJ45-TR1 120 Ω terminating resistors, AK-U0-RJ45-SC1 splitter cable (Modbus only) and 1203-USB converter module (per 520-TD001I-EN-E pp. 38…39)

Electrical

Supply voltage: 380…480V AC, 3-phase (per 520-TD001I-EN-E pp. 14…15, PowerFlex 520-series Drive Ratings — row 25A-D1P4N104)
Input voltage tolerance: -15 % / +10 % (per 520-UM001O-EN-E p. 169, Technical Specifications — Protection and Electrical, Voltage Tolerance)

Input frequency: 47…63 Hz (per 520-UM001O-EN-E p. 169, Technical Specifications — Electrical, Frequency Tolerance)
Input phases: three-phase input provides the full rating; single-phase input on a three-phase drive provides 35 % of the rating (per 520-UM001O-EN-E p. 169, Electrical Specifications — Input Phases)
Displacement power factor: 0.98 across the entire speed range (per 520-UM001O-EN-E p. 169, Electrical Specifications — Displacement Power Factor)
Maximum short-circuit rating: 100,000 A symmetrical (the actual short-circuit rating is determined by the AIC rating of the installed fuse or circuit breaker) (per 520-UM001O-EN-E p. 169, Electrical Specifications — Short Circuit Rating)
DC bus overvoltage trip: 810 V DC bus, published as equivalent to 575 V AC incoming line under the 380…480V AC AC Input row (per 520-UM001O-EN-E p. 169, Technical Specifications — Bus Overvoltage Trip)
DC bus undervoltage trip: 390 V DC bus, published as equivalent to 275 V AC incoming line under the 380…480V AC AC Input row (per 520-UM001O-EN-E p. 169, Technical Specifications — Bus Undervoltage Trip)
Power ride-through: 100 ms (per 520-UM001O-EN-E p. 169, Technical Specifications — Protection, Power Ride-through)
Logic control ride-through: 0.5 s minimum, 2 s typical (per 520-UM001O-EN-E p. 169, Technical Specifications — Protection, Logic Control Ride-through)
Overcurrent: 200 % hardware limit, 300 % instantaneous fault (per 520-UM001O-EN-E p. 169, Technical Specifications — Protection, Overcurrent)
Transistor type: insulated gate bipolar transistor (IGBT) (per 520-UM001O-EN-E p. 169, Electrical Specifications — Transistor Type)
Electronic motor overload protection: provides class 10 motor overload protection according to NEC article 430 and motor over-temperature protection according to NEC article 430.126(A)(2); UL 508C File 29572 (per 520-UM001O-EN-E p. 169, Technical Specifications — Protection, Electronic Motor Overload Protection (class 10, NEC article 430, UL 508C File 29572))
Ground fault trip: phase-to-ground on the drive output; short-circuit trip: phase-to-phase on the drive output (per 520-UM001O-EN-E p. 169, Technical Specifications — Protection, Ground Fault Trip and Short Circuit Trip)
Power dissipation: 27 W total at rated load, rated speed and the PWM setting (per 520-TD001I-EN-E pp. 14…15, PowerFlex 520-series Drive Ratings — Total Watts Loss column, row 25A-D1P4N104)
Electrical specification source: the entries above are taken from the Technical Specifications table in 520-UM001O-EN-E p. 169, Technical Specifications

Environmental

Operating temperature (ambient minimum -20 °C for every mounting method): vertical, IP20/Open Type -20…+50 °C without derating, up to +60 °C derated, up to +70 °C with the 25-FANx-70C control module fan kit; vertical with zero stacking, IP20/Open Type 45 °C without derating, 55 °C derated, 65 °C with the fan kit; IP30/NEMA 1/UL Type 1 (requires the 25-JBAx kit) 45 °C without derating, 55 °C derated, no fan-kit value published; IP30 with zero stacking 40 °C without derating, 50 °C derated; horizontal with the fan kit 50 °C without derating and 70 °C with the kit; horizontal with zero stacking and the fan kit 45 °C and 65 °C respectively (per 520-UM001O-EN-E p. 17, Ambient Operating Temperatures) For this catalog number the published derated maximum is reduced by 5 °C, the control-module-fan-kit maximum by 10 °C, and neither horizontal mounting method is permitted (footnotes to the mounting table).
Storage temperature: -40…+85 °C (-40…+185 °F) — the table publishes -40…+70 °C for Frame E (per 520-UM001O-EN-E p. 168, Environmental Specifications)
Relative humidity: 0…95 % non-condensing (per 520-TD001I-EN-E p. 12 and 520-UM001O-EN-E p. 168)
Pollution degree: installation in a pollution degree 1 or 2 environment is required for compliance with the CE Low Voltage Directive and UK LV Regulations; all enclosures are acceptable (per 520-TD001I-EN-E p. 12 and 520-UM001O-EN-E p. 168 and 520-UM001O-EN-E p. 52)
Shock: 15 g (operating) and 30 g (non-operating, transportation) peak force for Frame A; complies with IEC 60068-2-27 (per 520-TD001I-EN-E p. 12 and 520-UM001O-EN-E p. 168). No pulse duration is published for this series.
Vibration: 2 g (operating) and 2.5 g (non-operating, transportation) for Frame A; complies with IEC 60068-2-6:1995 (per 520-TD001I-EN-E p. 12 and 520-UM001O-EN-E p. 168)
Sound pressure level: 53 dBA (Frames A and B), 57 dBA (Frame C), 64 dBA (Frame D), 68 dBA (Frame E), measured 1 m (3.3 ft) from the drive (per 520-TD001I-EN-E p. 12 and 520-UM001O-EN-E p. 168)
Altitude: 1000 m (3300 ft) maximum without derating; up to 4000 m (13 200 ft) with derating, except 600V drives limited to 2000 m (6600 ft); 600V drives may only be used on a center-grounded supply system up to and including 2000 m (per 520-TD001I-EN-E p. 12 and 520-UM001O-EN-E p. 168 and 520-UM001O-EN-E p. 54)

Conformal coating: complies with IEC 60721-3-3 level 3C2 (chemical and gases only) (per 520-TD001I-EN-E p. 12 and 520-UM001O-EN-E p. 168); the ambient atmosphere must not contain volatile or corrosive gases, vapors or dust

Physical

Dimensions (H×W×D): 152.0 H × 72.0 W × 172.0 D mm (Frame A, per 520-UM001O-EN-E (Sep 2025) p. 187; the same frame values are published in 520-TD001I-EN-E)
Weight: 1.1 kg (Frame A, drive weight per 520-UM001O-EN-E (Sep 2025) p. 187 — the official column is headed "Weight (kg/lb)" under the Drive Weight table; net vs shipping basis is not specified by the manufacturer)

Certifications

Agency certification: c-UL-us Listed to UL 508C and CSA C22.2 No. 274; Listed to UL 61800-5-1 and CSA 22.2 No. 274-17 (per 520-TD001I-EN-E p. 13, c-UL-us column)
RCM: Australian Communications and Media Authority, in conformity with the Radiocommunications Act 1992 (including amendments up to 2018), the Radiocommunications (Electromagnetic Compatibility) Standard 2017 and the Radiocommunications Labeling (Electromagnetic Compatibility) Notice 2017, applying EN 61800-3 (520-TD001I-EN-E p. 13)
CE: declared to Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, Machinery Directive 2006/42/EC and RoHS Directive 2011/65/EU, to standards EN 61800-3 and EN 61800-5-1 (520-TD001I-EN-E p. 13). The same merged table row also names ATEX Directive 2014/34/EU, but no ATEX certificate is published for PowerFlex 523: the ATEX row of that table is marked "Applicable to PowerFlex 525 drives only".
UKCA: in conformity with Electrical Equipment (Safety) Regulations 2016 No. 1101, Electromagnetic Compatibility Regulations 2016 No. 1091, Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 No. 1107, Supply of Machinery (Safety) Regulations 2008 No. 1597, Restriction of the Use of Certain Hazardous Substances Regulations 2012 No. 3032 and Ecodesign for Energy-Related Products and Energy Information Regulations 2021 No. 745, applying EN 61800-3 and EN 61800-5-1 (520-TD001I-EN-E p. 13)
KC: KCC — Korean Registration of Broadcasting and Communications Equipment, compliant with Article 58-2 of the Radio Waves Act, Clause 3 (520-TD001I-EN-E p. 13)
Ecodesign: the PowerFlex 523 is listed on p. 2 of PFLEX-TD003H-EN-P among the PowerFlex families that are within the scope of Ecodesign Regulation (EU) 2019/1781 and UK SI 2021 No. 745 and meet or exceed the IE2 efficiency class those regulations require; the CDM loss table on p. 62 publishes for the 480V class 0.37 kW rating (a row printed under the "Frame A" heading, rated output current 1.4 A, rated apparent power 1.1 kVA) an overall complete-drive-module loss of 62.7 W at the (90 % speed, 100 % torque) operating point = 53.6 % of the IEC reference drive loss at that point, the IE2 test requiring the CDM loss to be at least 25 % below that reference, which is 5.7 % of the rated apparent power, with standby losses of 4.6 % of rated apparent power — PFLEX-TD003H-EN-P carries this drive rating in its 0.37 kW row, while the drive-ratings publications of the PowerFlex 523 print the same rating as 0.4 kW (PFLEX-TD003H-EN-P pp. 61…67). SUG-14: the "Frame A" heading in PFLEX-TD003H is a CDM-loss table column label and must not be read as the drive's mechanical frame size
Seismic: tested by Trentec to be compliant with AC156 Acceptance Criteria for Seismic Qualification Testing of Nonstructural Components and the 2003 International Building Code worst-case seismic level for the USA excluding site class F (520-TD001I-EN-E p. 13)
Surge immunity: certified compliant with SEMI F47 only — the two IEC line-voltage dip entries of the same certification row are printed in the PowerFlex 525 column and the row is marked "(Applicable to PowerFlex 525 drives only)", so they do not apply to the PowerFlex 523 (520-TD001I-EN-E p. 13, SEMI F47 row)
RoHS: compliant with the European Restriction of Hazardous Substances Directive 2011/65/EU; the drive is also designed to meet the appropriate portions of NFPA 70 (US National Electrical Code) and NEMA ICS 7.1 (per 520-UM001O-EN-E p. 167, Certifications — 2011/65/EU RoHS Directive)
Leakage current and earthing: the drive produces leakage current in the protective earthing conductor exceeding 3.5 mA AC and/or 10 mA DC, so the earthing conductor must comply with local regulations for high protective-earthing-current equipment (520-UM001O-EN-E p. 54)
Input current harmonics: the drive generates harmonic current emissions on the AC supply system and, when operated on a public low-voltage network, it is the responsibility of the installer or user to ensure that the applicable requirements of the distribution network operator are met; consultation with the network operator and Rockwell Automation may be necessary. No per-catalog-number total harmonic distortion (THD) figure or harmonic spectrum is published for the PowerFlex 520 series, and no EN 61000-3-2 or IEC 61000-3-12 compliance statement is made in the manual (per 520-UM001O-EN-E p. 54, Chapter 1 Installation/Wiring, General Considerations — harmonic current emissions on the AC supply system)

Functional safety: PowerFlex 523 has no embedded Safe Torque Off function; the TÜV Rheinland functional-safety row of the certification table is marked "Applicable to PowerFlex 525 drives only" (520-TD001I-EN-E p. 13)
Additional EMC installation conditions: not intended for public low-voltage networks supply domestic premises — without additional mitigation radio frequency interference is expected; the installer is responsible for supplementary line filtering and enclosure measures, and for verifying that the distribution network operator requirements are met (520-UM001O-EN-E p. 54)
Cybersecurity: no Achilles Field Coupled Test Method certification level, no IEC 62443 security provision or capability level and no CIP Security, encrypted-session or authentication feature is published for the PowerFlex 523 in 520-TD001I-EN-E, 520-UM001O-EN-E or 520-UM002F-EN-E — the names "Achilles", "62443" and "CIP Security" do not occur anywhere in the three publications, and their certification tables (520-TD001I-EN-E p. 13, 520-UM001O-EN-E p. 167 and 520-UM002F-EN-E pp. 117…118) carry no security row; the embedded and adapter EtherNet/IP ports are documented for wiring and network configuration only, and no security document is referenced by the reference-materials tables of the three publications

Source Provenance

Source tier: Primary — manufacturer-published technical documentation only (Allen-Bradley / Rockwell Automation publications)
Publications cited by this record: 3 — 520-TD001I-EN-E (Sep 2025, 54 pages); 520-UM001O-EN-E (Sep 2025, 274 pages); 520-UM002F-EN-E (Sep 2025, 160 pages)
Document types: Technical Data publications, User Manuals
Cross-check: two or more independent official publications agree on this record
Specification lines: 82 (counted over the specification sections only; the 6 Data Notes lines and the lifecycle keys are excluded). Lines carrying both a publication code and a printed page, table or figure anchor: 80 of 82 (98 %); publication code without a page anchor: 0 (0 %); no publication code at all: 2 (2 %). Counting rule: a line is anchored when it matches a publication code and one of "p. <n>", "pp. <n>…<n>", "Table <n>", "Figure <n>" or "Appendix <X>".
Published-but-absent items recorded as explicit negative findings: 5 (each names the publication and the pages searched)
Field-level attribution — vendor catalogue data: Rockwell Automation product data (official vendor product catalogue) supplies the catalog-number attributes and the lifecycle status. Fields that carry it: none. Every other field is attributed inside the line itself, in the form "(per <publication code> p. <n> …)", so the source of each individual value is readable from the value, not only from this section.
Non-official sources: none. No distributor listing, no reseller dataset, no encyclopaedic or community source and no vendor marketing copy is used.
Derivation policy: values are transcribed from published tables only; frame-level values are disclosed as frame-level rather than per-catalog; where two official publications state different values the record adopts one, states the adopted value, and gives the reason (page role, majority of sources, or rating-code agreement); typographical errors in the source are reproduced and flagged rather than corrected silently.
Cross-document conventions: PFLEX-TD003H-EN-P CDM tables label the 0.5 HP / 5 HP ratings as 0.37 kW / 3.7 kW vs 0.4 kW / 4.0 kW in the drive-ratings tables; the record always carries the drive-ratings value, while the Ecodesign line quotes the CDM-loss row under the label that publication prints
Reference date: verified 2026-10 against the current revision of every cited publication

Data Notes

"PowerFlex 520 Series" is the platform name for the 523, 525 and 527 drives; each catalog number belongs to one concrete member (25A = 523, 25B = 525, 25C = 527). No catalog prefix "25x" without a member letter exists.
Dimensions and weight are frame-level values; all catalog numbers in a frame share the same envelope. Ratings are from 520-UM001O-EN-E (Sep 2025) pp. 175…180; the dimension drawing for Frame A is published in 520-UM001O-EN-E (Sep 2025) p. 187 and the frame weight table in 520-UM001O-EN-E (Sep 2025) p. 187.
The 520-TD001I-EN-E p.25 RF-emission table prints the Category C1 external-filter motor cable limit as "30 m (16 ft)"; 30 m is approximately 98 ft, so the imperial figure appears to be a typographical error. Only the metric value is used here.
Certification applicability: 520-TD001I-EN-E p. 13 publishes one certification table with separate PowerFlex 523 and PowerFlex 525 columns. The c-UL-us listing differs between the columns, and the functional-safety, ATEX and Lloyd's Register rows carry the note "Applicable to PowerFlex 525 drives only", so those certificates are not attributed to PowerFlex 523 here.
Sources: 520-UM001O-EN-E (Sep 2025) for drive ratings, dimensions, weights and model-specific functions; 520-TD001I-EN-E (Sep 2025) for family-level specifications, accessories and certifications; Rockwell Automation product data (2026-10) for catalog-number attributes and lifecycle status.

Page-level locations: certification table 520-TD001I-EN-E p. 13; control specifications 520-TD001I-EN-E p. 10, Control Specifications; harmonic and EMC installation conditions 520-UM001O-EN-E p. 54; DSI/Modbus appendix pp. 205…207 and communications parameters pp. 102…103.
Commercial data (price, stock, lead time, distributor, MOQ, HS code, country of origin) is outside the scope of this technical record and is intentionally absent.

Lifecycle

Current: active catalog number in the official Rockwell Automation product data; no discontinuation date published **(Last verified:** 2026-10)
Replacement: No replacement classification (active product; no discontinuation published)
Discontinuation Date: N/A (active product)