

## INDUSTRIAL COMPONENT DATA

# DC1-S27D0FN-A20N 169524 EATON ELECTRIC Variable Frequency Drive, 1-/1- 230 V, 7.0 A, 0.75 kW, EMC-Filter

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-S27D0FN-A20N



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-S27D0FN-A20N                   |
| Catalog number  | 169524                             |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-34BAA6883E                      |
| Generated       | 2026-08-05                         |

## Product Overview

Variable Frequency Drive, 1-/1- 230 V, 7.0 A, 0.75 kW, EMC-Filter

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage:  $U_e = 230 \text{ V AC}$ , 1-phase, 240 V AC, single-phase, Output voltage with Ve:  $U_2 = 230 \text{ V AC}$ , single-phase, 240 V AC, single-phase, Mains voltage (50/60Hz):  $U_{LN} = 200 (-10\%) - 240 (+10\%) \text{ V}$ , Rated operational current At 150% overload:  $I_e = 7 \text{ A}$ , Note: Rated operational current at an operating frequency of 16 kHz and an ambient air temperature of  $+50^\circ \text{C}$ , Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: For AC motors with internal and external ventilation with 50/60 Hz without additional start capacitor, Overload cycle for 60 s every 600 s, at 230 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 0.75 \text{ kW}$ , 150 % Overload:  $I_M = 7 \text{ A}$ , Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 1 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 6.8 \text{ A}$ , Degree of Protection: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Radio interference suppression filter, 7-digit display assembly, Frame size: FS1, Connection to SmartWire-DT: with SmartWire-DT module DX-NET-SWD3, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/EN 61800-3, Safety requirements: IEC/...

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                                                 |
|--------------|-------------------------------------------------|
| Catalog path | EATON - MOELLER > Power XL Frequency Converters |
|--------------|-------------------------------------------------|

## Additional Product Information

Variable frequency drive, 230 V AC, 1-phase, 7 A, 0.75 kW, IP20/NEMA 0, Radio interference suppression filter, FS1 Eaton Catalog No. DC1-S27D0FN-A20N Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage:  $U_e = 230 \text{ V AC}$ , 1-phase, 240 V AC, single-phase, Output voltage with Ve:  $U_2 = 230 \text{ V AC}$ , single-phase, 240 V

AC, single-phase, Mains voltage (50/60Hz): ULN = 200 (-10%) - 240 (+10%) V, Rated operational current At 150% overload:  $I_e = 7 \text{ A}$ , Note: Rated operational current at an operating frequency of 16 kHz and an ambient air temperature of +50 °C, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: For AC motors with internal and external ventilation with 50/60 Hz without additional start capacitor, Overload cycle for 60 s every 600 s, at 230 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 0.75 \text{ kW}$ , 150 % Overload:  $I_M = 7 \text{ A}$ , Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 1 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 6.8 \text{ A}$ , Degree of Protection: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Radio interference suppression filter, 7-digital display assembly, Frame size: FS1, Connection to SmartWire-DT: with SmartWire-DT module DX-NET-SWD3, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/EN 61800-3, Safety requirements: IEC/EN 61800-5-1 [ Del...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-S27D0FN-A20N with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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