

**INDUSTRIAL COMPONENT DATA**

# DM1-12017NB-S20S-EM 3-5050-002A EATON ELECTRIC

## DM1-12017NB-S20S-EM

Brand: EATON - MOELLER | Manufacturer Part Number: DM1-12017NB-S20S-EM



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DM1-12017NB-S20S-EM                |
| Catalog number  | 3-5050-002A                        |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-31E55E5080                      |
| Generated       | 2026-08-06                         |

### Product Overview

DM1-12017NB-S20S-EM

Variable frequency drive, 230 V AC, 1-phase, 17.5 A, 4 kW, IP20/NEMA0, 7-digital display assembly, Setpoint potentiometer, Brake chopper, STO (Safe Torque Off, SIL2, PLd Cat 3)

Variable frequency drive DM1, Mains voltage: 200 - 240 V AC, 1-phase, Nominal output current: 17.5 A, Output at linear load at rated output voltage - max: 4 kW, fitted with: IGBT inverter, 7-digital display assembly, DC link choke, Setpoint potentiometer, Brake chopper, Internal DC link, Breaking resistance, Control unit, PC connection, Frame Size: FS3

**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

EL-Nummer (Norway)4132242Variable frequency drive, 230 V AC, 1-phase, 17.5 A, 4 kW, IP20/NEMA0, 7-digital display assembly, Setpoint potentiometer, Brake chopper, STO (Safe Torque Off, SIL2, PLd Cat 3)Variable frequency drive, DM1, Output voltage with Ve: 230 V AC, single-phase, Mains voltage (50/60Hz): 208 (-10%) - 240 (+10%) V, Rated operational current At 150% overload: 17.5 A, at 230 V, 50 Hz, 150 % Overload: 4 kW, 110 % Overload: 5.5 kW, Degree of Protection: IP20/NEMA0, Interface/field bus (built-in): Modbus RTU, Modbus TCP, BACnet MS/TP, Ethernet IP, BACnet TCP, Fieldbus connection (optional): Profibus, CAN, DeviceNet, SmartwireDT, Fitted with: 7-digital display assembly, Setpoint potentiometer, Brake chopper, Parameterization: Keypad, Fieldbus, Power Xpert inControl, Frame size: FS3, Connection to SmartWire-DT: yes, in conjunction with DXG-NET-SWD SmartWire DT moduleDelivery program

Product rangeVariable frequency drivesPart group reference (e.g. DIL)DM1Rated operational voltage [Ue]230 V AC, 1-phase

240 V AC, single-phase Output voltage with  $V_e[U_2]$  230 V AC, 3-phase  
240 V AC, 3-phase Mains voltage (50/60Hz)  $[U_{LN}]$  208 (-10%) - 240 (+10%) V Rated operational current  $[I_e]$  At 150%  
overload  $[I_e]$  17.5 A At 110% overload  $[I_e]$  25 A Note Rated operational current for a switching frequency of 1 - 16 kHz and an  
ambient temperature of +50 °C for a 150% overload and +40 °C for a 110% overload Assigned motor rating Note for normal  
internally and externally ventilated 4 pole, three-phase asynch...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DM1-12017NB-S20S-EM 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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requirements against the manufacturer documentation before purchase or installation.