

INDUSTRIAL COMPONENT DATA

DC1-S27D0NN-A20CE1 186082 Y7-186082 EATON ELECTRIC

Variable frequency drives, 1-/single-phase 230 V, 7.0 A, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-S27D0NN-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-S27D0NN-A20CE1
Catalog number	Y7-186082
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-59F0C89B7C
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Product Overview

Variable frequency drives, 1-/single-phase 230 V, 7.0 A, 0.75 kW

DC1-S27D0NN-A20CE1

Eaton DC1 Variable frequency drive, 230 V AC, 1-phase, 7 A, 0.75 kW, IP20/NEMA 0, FS1 DC1-S27D0NN-A20CE1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 230$ V AC, 1-phase, 240 V AC, single-phase, Output voltage with V_e : $U_2 = 230$ V AC, single-phase, 240 V AC, single-phase, Mains voltage (50/60Hz): $U_{LN} = 200$ (-10%) - 240 (+10%) V, Rated operational current At 150% overload: $I_e = 7$ 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: $P = 0.75$ kW, 150 % Overload: $I_M = 7$ A, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 1$ HP, Assigned motor rating 150 % Overload: $I_M = 6.8$ 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: 7-digital display assembly, Frame size: FS1, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/EN 61800-3, Safety r...

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

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 186082 Model Code DC1-S27D0NN-A20CE1 EAN

4015081815838 Product Length/Depth 124 mm Product Height 184 mm Product Width 81 mm Product Weight 1.2 kg

Certifications UL

UkrSEPRO

UL Category Control No.: NMMS, NMMS7

UL report applies to both US and Canada

IEC/EN61800-5

Certified by UL for use in Canada

RoHS, ISO 9001

EAC

CUL

CSA-C22.2 No. 14

IEC/EN61800-3

Specification for general requirements: IEC/EN 61800-2

UL File No.: E172143

UL 508C

IEC/EN 61800-3

RCM

CE

Safety requirements: IEC/EN 61800-5-1 Catalog Notes Environmental class: 3C2, 3S2 Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: 7-digital display assembly

IGBT inverter

Control unit

Internal DC link

PC connection

Additional PCB protection General

Cable length 75 m, unscreened, maximum permissible, Motor feeder

100 m, screened, with motor choke, maximum permissible, Motor feeder

150 m, unscreened, with motor choke, maximum permissible, Motor feeder

50 m, screened, maximum permissible, Motor feeder Communication interface Modbus RTU, built in

CANopen®, built in

OP-Bus (RS485), built in

SmartWire-DT, optional Connection to SmartWire-DT Yes

In conjunction with DX-NET-SWD3 SmartWire DT module Degree of protection IP20

NEMA 0 Frame size FS1 Mounting position Vertical Product category Variable frequency drives Protection Fi...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-S27D0NN-A20CE1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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