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Eaton DM1-34031EB-S20S-EM

Eaton PowerXL DM1 series micro drive, Three-phase, 400 V, 31 A, Internal EMC filter, Internal brake chopper, Multi segment LCD display, IP20, ST0 SIL2 and ethernet I/P, Modbus TCP onboard, EMEA region

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PRODUCT NAME	Eaton PowerXL DM1 micro variable frequency drive
CATALOG NUMBER	DM1-34031EB-S20S-EM
UPC	786689349660
PRODUCT LENGTH/DEPTH	7.68 in
PRODUCT HEIGHT	11.81 in
PRODUCT WIDTH	7.24 in
PRODUCT WEIGHT	13.9 lb
CERTIFICATIONS	UL Listed

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BRAKE CHOPPER	Internal brake chopper
SERIES	DM1
DRIVE TYPE	General purpose
FRAME SIZE	FR4
ENCLOSURE RATING	IP00
INPUT PHASES	Three-phase
OUTPUT PHASES	Three-phase
ELECTROMAGNETIC COMPATIBILITY FILTER	Yes
INTERNAL CHOKE	No
INTERNAL LINE REACTOR	No

AMBIENT OPERATING TEMPERATURE RANGE

- -10 to 50 °C CT
- -10 to 40 °C VT

CONFORMAL COATED BOARDS	Yes
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USER INTERFACE	Multi-segment
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INPUT VOLTAGE RANGE	380-480 Vac
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INPUT FREQUENCY RANGE	50-60 Hz
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OUTPUT FREQUENCY RANGE	0-400 Hz
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MAX OVERLOAD 200 %

FUSE SIZE - MAX	70
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MOUNTING TYPE	Panel mount
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DIGITAL INPUTS	4
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ANALOG INPUTS 1

RELAY OUTPUTS 2

DIGITAL OUTPUTS 0

HIGH OVERLOAD (CT) HP 20

HIGH OVERLOAD (CT) KW 15

LOW OVERLOAD (VT) KW 18.5

LOW OVERLOAD (VT) 38
AMPS

HIGH OVERLOAD (CT)	
AMPS	31

LOW OVERLOAD (VT) HP	25
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COMMUNICATIONS ONBOARD	Modbus RTU
	Modbus TCP
	Ethernet/IP
	BACnet IP
	BACnet MS/TP
	Bluetooth

COMMUNICATIONS	CANopen
OPTIONAL	PROFIBUS

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	SmartWireDT
MOTOR CONTROL MODES	V/Hz Open loop vector control
MOTOR TYPE	Induction Induction motor Permanent magnet motor (SPM/IPM)
