

Specifications

Photo is representative

Eaton DM1-34038EB-S20S

Eaton PowerXL DM1 series micro drive, Three-phase, 400 V, 38 A, Internal EMC filter, Internal brake chopper, Multi segment LCD display, IP20, ST0 SIL2 and ethernet I/P, Modbus TCP onboard

General specifications

PRODUCT NAME	Eaton PowerXL DM1 micro variable frequency drive
CATALOG NUMBER	DM1-34038EB-S20S
UPC	786689348588
PRODUCT LENGTH/DEPTH	20.3 in
PRODUCT HEIGHT	10.6 in
PRODUCT WIDTH	10.2 in
PRODUCT WEIGHT	18.85 lb
CERTIFICATIONS	UL Listed



Powering Business Worldwide

Product specifications

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	<ul style="list-style-type: none">• -10 to 50 °C CT• -10 to 40 °C VT
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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 %
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FUSE SIZE - MAX	80
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MOUNTING TYPE	Panel mount
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DIGITAL INPUTS	4
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ANALOG INPUTS	1
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RELAY OUTPUTS	2
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DIGITAL OUTPUTS	0
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HIGH OVERLOAD (CT) HP	25
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HIGH OVERLOAD (CT) KW	18.5
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LOW OVERLOAD (VT) KW	22
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LOW OVERLOAD (VT) AMPS	46
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HIGH OVERLOAD (CT) AMPS	38
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LOW OVERLOAD (VT) HP	30
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COMMUNICATIONS ONBOARD	Modbus RTU Modbus TCP Ethernet/IP BACnet IP BACnet MS/TP Bluetooth
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Resources

SPECIFICATIONS AND DATASHEETS

[Eaton Specification Sheet - DM1-34038EB-S20S](#)

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

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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