



## Eaton 178398

Eaton xEnergy Basic LV systems Low voltage switchgear. Terminal block, 1-pole, 125A, 8 output terminals

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|-----------------------------|-------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton xEnergy Basic other accessory |
| <b>CATALOG NUMBER</b>       | 178398                              |
| <b>PRODUCT LENGTH/DEPTH</b> | 51.2 mm                             |
| <b>PRODUCT HEIGHT</b>       | 91 mm                               |
| <b>PRODUCT WIDTH</b>        | 27 mm                               |
| <b>PRODUCT WEIGHT</b>       | 0.137 kg                            |
| <b>COMPLIANCES</b>          | RoHS conform                        |
| <b>CERTIFICATIONS</b>       | IEC 60 947 -7 -1                    |



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**SPECIAL FEATURES**

- Clicks on DIN-rail or on base plate.
- Save time on wiring.
- Save 80% on space used.
- Modular construction, 1-4 pole Systems can be built with several blocks.
- Material, hexagon socket set screw: Steel
- Zinc plated (Hexagon socket set screw, Surface finish)

[eaton-xenergy-basic-terminal-block-dimensions-014.eps](#)

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| <b>FUNCTIONS</b>                                                                   | Additional equipment                    |
|------------------------------------------------------------------------------------|-----------------------------------------|
| <b>TORQUE RATING</b>                                                               | 2 Nm / 8 Nm (incoming). 2 Nm (outgoing) |
| <b>CONDUCTOR CROSS SECTION (FLEXIBLE, FINE-STRAND) WITH CABLE END SLEEVE - MAX</b> | 25 mm <sup>2</sup>                      |
| <b>CONDUCTOR CROSS SECTION (FLEXIBLE, FINE-STRAND) WITH CABLE END SLEEVE - MIN</b> | 1.5 mm <sup>2</sup>                     |
| <b>CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MAX</b>                         | 35 mm <sup>2</sup>                      |
| <b>CONDUCTOR CROSS SECTION (SOLID, SOLID-STRAND) - MIN</b>                         | 1.5 mm <sup>2</sup>                     |
| <b>AMPERAGE RATING</b>                                                             | 125 A                                   |
| <b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>                                    | 4.2 kA                                  |
| <b>VOLTAGE RATING AT DC CU (IEC) - MAX</b>                                         | 1000 VDC                                |
| <b>NUMBER OF POLES</b>                                                             | Single-pole                             |
| <b>DEGREE OF PROTECTION</b>                                                        | IP20                                    |
| <b>MOUNTING POSITION</b>                                                           | Universal                               |
| <b>CLAMP MATERIAL</b>                                                              | Plain Brass                             |
| <b>COMPARATIVE TRACKING INDEX (CTI)</b>                                            | 600 V                                   |
| <b>HOUSING MATERIAL</b>                                                            | PA66                                    |
| <b>HOUSING COLOR</b>                                                               | Light gray (RAL 7035)                   |

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MOUNTING METHOD                       | Floor standing distribution board<br>Flush mounting<br>Surface mounting                                                                                                                                                                                                                                                                                                                                                          |
| FLAME CLASSIFICATION (UL 94)          | V-0                                                                                                                                                                                                                                                                                                                                                                                                                              |
| HEAT DEFLECTION TEMPERATURE           | 100 °C                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NUMBER OF CLAMP POSITIONS PER POLE    | 10                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NUMBER OF CLAMPING UNITS PER POLE     | 10                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RATED PEAK WITHSTAND CURRENT          | 25 kA                                                                                                                                                                                                                                                                                                                                                                                                                            |
| VOLTAGE RATING AT AC CU (IEC) - MAX   | 690 VAC                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RATED OPERATION CURRENT (IE) CU (IEC) | 125 A                                                                                                                                                                                                                                                                                                                                                                                                                            |
| TERMINAL CAPACITY (SINGLE/MULTI-WIRE) | 1.5 mm <sup>2</sup> - 16 mm <sup>2</sup><br>(incoming, fine wire (with sleeve))<br>10 mm <sup>2</sup> - 35 mm <sup>2</sup><br>(incoming)<br>1.5 mm <sup>2</sup> - 10 mm <sup>2</sup><br>(outgoing, fine wire (with sleeve))<br>6 mm <sup>2</sup> - 25 mm <sup>2</sup><br>(incoming, fine wire (with sleeve))<br>1.5 mm <sup>2</sup> - 16 mm <sup>2</sup><br>(outgoing)<br>2.5 mm <sup>2</sup> - 25 mm <sup>2</sup><br>(incoming) |

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