

# Specifications



## Eaton 119210

Eaton xEnergy Basic LV systems Low voltage switchgear. Standard-compliant "mask" distribution board, WxHxD = 973 x 1200 x 175 mm

### General specifications

|                             |                                     |
|-----------------------------|-------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton xEnergy Basic empty enclosure |
| <b>CATALOG NUMBER</b>       | 119210                              |
| <b>MODEL CODE</b>           | BP-MN-1000/12/1,75                  |
| <b>EAN</b>                  | 4015081173471                       |
| <b>PRODUCT LENGTH/DEPTH</b> | 175 mm                              |
| <b>PRODUCT HEIGHT</b>       | 1200 mm                             |
| <b>PRODUCT WIDTH</b>        | 973 mm                              |
| <b>PRODUCT WEIGHT</b>       | 14.5 kg                             |
| <b>COMPLIANCES</b>          | RoHS conform                        |



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Additional information

|              |                            |
|--------------|----------------------------|
| FEATURES     | Connectable<br>EMC-version |
| RAL-NUMBER   | 7035                       |
| SUITABLE FOR | Metrical mounting          |

Delivery programme

|       |      |
|-------|------|
| COLOR | Gray |
|-------|------|

## Design verification to IEC/EN 61439

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility.                                                                                           |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility.                                                                                           |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | Meets the product standard's requirements.                                                                                       |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                                                       |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Not relevant to indoor installations.                                                                                            |
| <b>10.2.5 LIFTING</b>                                                                   | Does not apply to enclosures without lifting aids.                                                                               |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | IK07                                                                                                                             |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                       |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                                          | IP30                                                                                                                             |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                                           | Is the panel builder's responsibility.                                                                                           |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                                           | < 0.1 Ω; meets the product standard's requirements.                                                                              |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>                           | Is the panel builder's responsibility.                                                                                           |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>                                | Is the panel builder's responsibility.                                                                                           |
| <b>10.8 CONNECTIONS FOR</b>                                                             | Is the panel builder's                                                                                                           |

## Technical data - mechanical

|                                  |                             |
|----------------------------------|-----------------------------|
| <b>INSTALLATION TYPE</b>         | Floor installation possible |
| <b>MATERIAL</b>                  | Steel                       |
| <b>NUMBER OF CONNECTOR HOLES</b> | 0                           |
| <b>NUMBER OF COVERS/DOORS</b>    | 0                           |
| <b>NUMBER OF LOCKS</b>           | 0                           |
| <b>SURFACE FINISHING</b>         | Powder coating              |
| <b>BUILT-IN DEPTH</b>            | 175 mm                      |
| <b>DEGREE OF PROTECTION</b>      | IK07<br>Other               |

|                                                                 |                                     |
|-----------------------------------------------------------------|-------------------------------------|
| <b>EXTERNAL CONDUCTORS</b>                                      | responsibility.                     |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                 | Ui = 440 V AC                       |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                         | 4 kV                                |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b> | Does not apply to metal enclosures. |

### Temperature-rise verification as per IEC 60890

|                                                                                        |       |
|----------------------------------------------------------------------------------------|-------|
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>   | 96 W  |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>   | 192 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b> | 103 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b> | 99 W  |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b> | 207 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b> | 199 W |

### Resources

|             |                                                                                                            |
|-------------|------------------------------------------------------------------------------------------------------------|
| BROCHURES   | <a href="#">eaton-xenergy-basic-light-brochure-br014024-en-us.pdf</a>                                      |
| CATALOGUES  | <a href="#">eaton-distribution-boards-xenergy-basic-catalog-ca014010en-en-us.pdf</a>                       |
| DRAWINGS    | <a href="#">eaton-low-voltage-switch-gear-dimensions-1230dim-442.eps</a>                                   |
| FLYERS      | <a href="#">eaton-xenergy-basic-profisnap-flyer-fl019008en-en-us.pdf</a><br><a href="#">DA-CS-bp_nm_14</a> |
| MCAD MODEL  | <a href="#">eaton-front-access-switchboard-mcad-drawings-bp-nm-14.dwg</a>                                  |
| SALES NOTES | <a href="#">eaton-f3a-flange-flyer-fl019005en-en-us.pdf</a>                                                |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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