

# Specifications



## Eaton 174278

Eaton xEffect xVtl Enclosures Switch- & Controlgear Enclosure. Basic frame  
W=650mm, H=1400mm

### General specifications

|                             |                                   |
|-----------------------------|-----------------------------------|
| <b>PRODUCT NAME</b>         | Eaton xEffect xVtl mounting frame |
| <b>CATALOG NUMBER</b>       | 174278                            |
| <b>MODEL CODE</b>           | XVTL-BP-F-65/14                   |
| <b>EAN</b>                  | 4015081707409                     |
| <b>PRODUCT LENGTH/DEPTH</b> | 120 mm                            |
| <b>PRODUCT HEIGHT</b>       | 1350 mm                           |
| <b>PRODUCT WIDTH</b>        | 250 mm                            |
| <b>PRODUCT WEIGHT</b>       | 9.3 kg                            |
| <b>COMPLIANCES</b>          | RoHS conform                      |

## Product specifications

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>FEATURES</b>                                                                         | EMC-version<br>Mounting plate depth-adjustable<br>Connectable                                                                    |
| <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>       | Not applicable.                                                                                                                  |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Not applicable.                                                                                                                  |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Not relevant to indoor installations.                                                                                            |
| <b>10.2.5 LIFTING</b>                                                                   | Met; assembled and secured as per the latest applicable instruction leaflet.                                                     |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | IK10                                                                                                                             |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                       |
| <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</b>                                                | Is the panel builder's responsibility.                                                                                           |

## Resources

### CATALOGUES

[eaton-xenergy-light-add-on-distribution-board-product-catalog-2017-en-us.pdf](#)

[eaton-pdd-xenergy-light-catalog-ca014022en-en-us.pdf](#)

|                                                                            |                                        |
|----------------------------------------------------------------------------|----------------------------------------|
| <b>AND CONNECTIONS</b>                                                     |                                        |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                            | Is the panel builder's responsibility. |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                            | Ui = 690 V AC                          |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                                    | 6 kV                                   |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>            | Does not apply to metal enclosures.    |
| <b>FITTED WITH:</b>                                                        | Mounting plate                         |
| <b>POLLUTION DEGREE</b>                                                    | 3                                      |
| <b>SURFACE FINISHING</b>                                                   | Powder coating                         |
| <b>DEGREE OF PROTECTION</b>                                                | IK10<br>Other                          |
| <b>MATERIAL QUALITY</b>                                                    | Other                                  |
| <b>COLOR</b>                                                               | Gray                                   |
| <b>PERMISSIBLE LOAD OF THE MOUNTING PLATE ACCORDING TO IEC 62208 - MAX</b> | 4000 N                                 |
| <b>NUMBER OF LOCKS</b>                                                     | 0                                      |
| <b>RAL-NUMBER</b>                                                          | 7035                                   |
| <b>MATERIAL</b>                                                            | Steel                                  |
| <b>MOUNTING METHOD</b>                                                     | Wall fastening                         |
| <b>OVERVOLTAGE CATEGORY</b>                                                | IV                                     |
| <b>INSTALLATION TYPE</b>                                                   | Floor standing wall model              |
| <b>PROTECTION CLASS</b>                                                    | I                                      |
| <b>NUMBER OF COVERS/DOORS</b>                                              | 0                                      |
| <b>SUITABLE FOR</b>                                                        | Metrical mounting                      |
| <b>PERMISSIBLE LOAD OF THE ENCLOSURE ACCORDING TO IEC 62208 - MAX</b>      | 5000 N                                 |
| <b>PERMISSIBLE LOAD OF THE DOOR(S) ACCORDING TO IEC 62208 - MAX</b>        | 1000 N                                 |
| <b>NUMBER OF CONNECTOR HOLES</b>                                           | 0                                      |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



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