

# Specifications

## Eaton 195119

Eaton Moeller series xPole - HNB RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB B, 10A, 1p+N, , 30mA,

### General specifications

|                             |                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller series xPole - HNB RCBO - residual-current circuit breaker with overcurrent protection |
| <b>CATALOG NUMBER</b>       | 195119                                                                                               |
| <b>MODEL CODE</b>           | HNB-B10/1N/003                                                                                       |
| <b>EAN</b>                  | 9010238060722                                                                                        |
| <b>PRODUCT LENGTH/DEPTH</b> | 80 mm                                                                                                |
| <b>PRODUCT HEIGHT</b>       | 73 mm                                                                                                |
| <b>PRODUCT WIDTH</b>        | 35 mm                                                                                                |
| <b>PRODUCT WEIGHT</b>       | 0.203 kg                                                                                             |
| <b>COMPLIANCES</b>          | CE Marked<br>RoHS conform                                                                            |
| <b>CERTIFICATIONS</b>       | CE                                                                                                   |
| <b>GLOBAL CATALOG</b>       | 195119                                                                                               |
| <b>PRODUCT TYPE</b>         | RCBO - Residual-current circuit breaker with overcurrent protection                                  |

## Product specifications

|                                                           |                                  |
|-----------------------------------------------------------|----------------------------------|
| <b>VOLTAGE RATING</b>                                     | 230 V                            |
| <b>SURGE CURRENT CAPACITY</b>                             | 0.25 kA                          |
| <b>VOLTAGE TYPE</b>                                       | AC                               |
| <b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>                | 2                                |
| <b>FEATURES</b>                                           | Concurrently switching N-neutral |
| <b>OPERATING AMBIENT TEMPERATURE - MAX</b>                | 40 °C                            |
| <b>OPERATING AMBIENT TEMPERATURE - MIN</b>                | -25 °C                           |
| <b>RATED CURRENT</b>                                      | 10 A                             |
| <b>BUILT-IN DEPTH</b>                                     | 69.5 mm                          |
| <b>CURRENT LIMITING CLASS</b>                             | 3                                |
| <b>RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)</b> | 0 kA                             |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                | 40 °C                            |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                | -25 °C                           |
| <b>FAULT CURRENT RATING</b>                               | 0.03 A                           |
| <b>NUMBER OF POLES (PROTECTED)</b>                        | 1                                |
| <b>NUMBER OF POLES (TOTAL)</b>                            | 2                                |
| <b>RATED OPERATIONAL VOLTAGE (UE) - MAX</b>               | 230 V                            |
| <b>MOUNTING METHOD</b>                                    | DIN rail                         |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>             | 4 kV                             |
| <b>DEGREE OF PROTECTION</b>                               | IP20                             |
| <b>OVERVOLTAGE CATEGORY</b>                               | III                              |
| <b>POLLUTION DEGREE</b>                                   | 2                                |
| <b>LEAKAGE CURRENT TYPE</b>                               | AC                               |
| <b>RELEASE CHARACTERISTIC</b>                             | B                                |
| <b>FREQUENCY RATING</b>                                   | 50 Hz                            |
| <b>RATED INSULATION VOLTAGE (UI)</b>                      | 500 V                            |
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) -</b> | 1 mm <sup>2</sup>                |

## Resources

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| BROCHURES                  | <a href="#">eaton-xPole-home-leaflet-br003019en-en-gb.pdf</a>                                                                     |
| CATALOGS                   | <a href="#">eaton-xpole%20home-hnb-hx-rcbo-catalog-ca019023en-en-us.pdf</a>                                                       |
| CHARACTERISTIC CURVE       | <a href="#">eaton-xpole-hnb-characteristic-curve-003.jpg</a>                                                                      |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-rcbo-residual-current-circuit-breaker-with-overcurrent-protection-declaration-of-conformity-eu250111en.pdf</a>  |
|                            | <a href="#">eaton-xeffect-frbm6m-wiring-diagram.jpg</a>                                                                           |
| DRAWINGS                   | <a href="#">eaton-xpole-pkn6-m-dimensions.jpg</a><br><a href="#">eaton-xpole-pkn6-m-3d-drawing.jpg</a>                            |
| MCAD MODEL                 | <a href="#">eaton-rcd-with-overcurrent-protection-3d-models-fk9051.stp</a><br><a href="#">eaton-rcbo-mcad-drawings-fk9051.dwg</a> |
| PEP ECO-PASSPORT           | <a href="#">eaton-rcd-with-overcurrent-protection-pep-eato-00114-v0101-en.pdf</a>                                                 |

|                                                                  |                    |
|------------------------------------------------------------------|--------------------|
| MIN                                                              |                    |
| CONNECTABLE<br>CONDUCTOR CROSS<br>SECTION (SOLID-CORE) -<br>MAX  | 25 mm <sup>2</sup> |
| CONNECTABLE<br>CONDUCTOR CROSS<br>SECTION (MULTI-WIRED)<br>- MIN | 1 mm <sup>2</sup>  |
| CONNECTABLE<br>CONDUCTOR CROSS<br>SECTION (MULTI-WIRED)<br>- MAX | 25 mm <sup>2</sup> |
| RATED SHORT-CIRCUIT<br>BREAKING CAPACITY (EN<br>61009)           | 6 kA               |
| RATED SHORT-CIRCUIT<br>BREAKING CAPACITY (EN<br>61009-1)         | 6 kA               |
| DISCONNECTION<br>CHARACTERISTIC                                  | Undelayed          |
| TYPE                                                             | RCBO               |

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



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