

# Specifications



## Eaton 101296

Eaton Moeller series xPole - PLI MCB.  
Miniature circuit breaker (MCB) with plug-in  
terminal, 6 A, 2p, characteristic: C

### General specifications

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| <b>PRODUCT NAME</b>             | Eaton Moeller series xPole<br>- PLI MCB |
| <b>CATALOG NUMBER</b>           | 101296                                  |
| <b>EAN</b>                      | 4015081012312                           |
| <b>PRODUCT<br/>LENGTH/DEPTH</b> | 84 mm                                   |
| <b>PRODUCT HEIGHT</b>           | 75.5 mm                                 |
| <b>PRODUCT WIDTH</b>            | 35 mm                                   |
| <b>PRODUCT WEIGHT</b>           | 0.216 kg                                |
| <b>COMPLIANCES</b>              | RoHS conform                            |
| <b>MODEL CODE</b>               | PLI-C6/2                                |



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## Delivery program

### APPLICATION

- Switchgear for residential and commercial applications
- xPole - Switchgear for residential and commercial applications

|                 |          |
|-----------------|----------|
| NUMBER OF POLES | Two-pole |
|-----------------|----------|

|                         |   |
|-------------------------|---|
| NUMBER OF POLES (TOTAL) | 2 |
|-------------------------|---|

|                             |   |
|-----------------------------|---|
| NUMBER OF POLES (PROTECTED) | 2 |
|-----------------------------|---|

|                         |   |
|-------------------------|---|
| TRIPPING CHARACTERISTIC | C |
|-------------------------|---|

|                        |   |
|------------------------|---|
| RELEASE CHARACTERISTIC | C |
|------------------------|---|

|                 |     |
|-----------------|-----|
| AMPERAGE RATING | 6 A |
|-----------------|-----|

### TYPE

- Miniature circuit breaker
- PLI

## Technical data - electrical

|              |    |
|--------------|----|
| VOLTAGE TYPE | AC |
|--------------|----|

|                                      |       |
|--------------------------------------|-------|
| RATED OPERATIONAL VOLTAGE (UE) - MAX | 400 V |
|--------------------------------------|-------|

|                               |       |
|-------------------------------|-------|
| RATED INSULATION VOLTAGE (UI) | 440 V |
|-------------------------------|-------|

|                                        |      |
|----------------------------------------|------|
| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) | 4 kV |
|----------------------------------------|------|

|                        |       |
|------------------------|-------|
| FREQUENCY RATING - MIN | 50 Hz |
|------------------------|-------|

|                        |       |
|------------------------|-------|
| FREQUENCY RATING - MAX | 60 Hz |
|------------------------|-------|

|                                           |       |
|-------------------------------------------|-------|
| RATED SWITCHING CAPACITY (IEC/EN 60898-1) | 10 kA |
|-------------------------------------------|-------|

|                                                           |       |
|-----------------------------------------------------------|-------|
| RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 230 V | 10 kA |
|-----------------------------------------------------------|-------|

|                                                           |       |
|-----------------------------------------------------------|-------|
| RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 400 V | 10 kA |
|-----------------------------------------------------------|-------|

|                                                              |      |
|--------------------------------------------------------------|------|
| RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2) AT 230 V | 0 kA |
|--------------------------------------------------------------|------|

|                                                              |      |
|--------------------------------------------------------------|------|
| RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2) AT 400 V | 0 kA |
|--------------------------------------------------------------|------|

|                      |     |
|----------------------|-----|
| OVERVOLTAGE CATEGORY | III |
|----------------------|-----|

|                  |   |
|------------------|---|
| POLLUTION DEGREE | 2 |
|------------------|---|

## Technical data - mechanical

|                                            |   |
|--------------------------------------------|---|
| <b>WIDTH IN NUMBER OF MODULAR SPACINGS</b> | 2 |
|--------------------------------------------|---|

|                       |         |
|-----------------------|---------|
| <b>BUILT-IN DEPTH</b> | 70.5 mm |
|-----------------------|---------|

|                             |      |
|-----------------------------|------|
| <b>DEGREE OF PROTECTION</b> | IP20 |
|-----------------------------|------|

|                                                               |                   |
|---------------------------------------------------------------|-------------------|
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN</b> | 1 mm <sup>2</sup> |
|---------------------------------------------------------------|-------------------|

|                                                               |                    |
|---------------------------------------------------------------|--------------------|
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX</b> | 25 mm <sup>2</sup> |
|---------------------------------------------------------------|--------------------|

|                                                                |                   |
|----------------------------------------------------------------|-------------------|
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN</b> | 1 mm <sup>2</sup> |
|----------------------------------------------------------------|-------------------|

|                                                                |                    |
|----------------------------------------------------------------|--------------------|
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX</b> | 25 mm <sup>2</sup> |
|----------------------------------------------------------------|--------------------|

## Additional information

|                               |   |
|-------------------------------|---|
| <b>CURRENT LIMITING CLASS</b> | 3 |
|-------------------------------|---|

|                 |                               |
|-----------------|-------------------------------|
| <b>FEATURES</b> | Additional equipment possible |
|-----------------|-------------------------------|

|                         |                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>SPECIAL FEATURES</b> | Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity |
|-------------------------|-----------------------------------------------------------------------------------------------------------|

|                  |                                  |
|------------------|----------------------------------|
| <b>USED WITH</b> | PLI<br>Miniature circuit breaker |
|------------------|----------------------------------|

## Design verification as per IEC/EN 61439 - technical data

|                                                                      |     |
|----------------------------------------------------------------------|-----|
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 6 A |
|----------------------------------------------------------------------|-----|

|                                                     |     |
|-----------------------------------------------------|-----|
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b> | 0 W |
|-----------------------------------------------------|-----|

|                                                      |       |
|------------------------------------------------------|-------|
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b> | 2.9 W |
|------------------------------------------------------|-------|

|                                                       |     |
|-------------------------------------------------------|-----|
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT</b> | 0 W |
|-------------------------------------------------------|-----|

|                                  |     |
|----------------------------------|-----|
| <b>HEAT DISSIPATION CAPACITY</b> | 0 W |
|----------------------------------|-----|

|                                            |        |
|--------------------------------------------|--------|
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b> | -25 °C |
|--------------------------------------------|--------|

|                                            |       |
|--------------------------------------------|-------|
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b> | 75 °C |
|--------------------------------------------|-------|

## Resources

|  |                                                                             |
|--|-----------------------------------------------------------------------------|
|  | <a href="#">eaton-xpole-protective-devices-catalog-ca019014en-en-us.pdf</a> |
|--|-----------------------------------------------------------------------------|

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| <b>CATALOGUES</b> | <a href="#">eaton-xpole-pli-mcb-catalog-ca019072en-en-us.pdf</a> |
|-------------------|------------------------------------------------------------------|

|  |                                                              |
|--|--------------------------------------------------------------|
|  | <a href="#">eaton-xpole-accessories-ca019015en-en-us.pdf</a> |
|--|--------------------------------------------------------------|

|                                   |                              |
|-----------------------------------|------------------------------|
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">DA-DC-03_PLI</a> |
|-----------------------------------|------------------------------|

|                 |                                                    |
|-----------------|----------------------------------------------------|
| <b>DRAWINGS</b> | <a href="#">eaton-xpole-pli-mcb-dimensions.jpg</a> |
|-----------------|----------------------------------------------------|

|                                  |                            |
|----------------------------------|----------------------------|
| <b>INSTALLATION INSTRUCTIONS</b> | <a href="#">IL019073ZU</a> |
|----------------------------------|----------------------------|

|  |                                              |
|--|----------------------------------------------|
|  | <a href="#">eaton-pli_mcb_2p-drawing.dwg</a> |
|--|----------------------------------------------|

|                   |                                               |
|-------------------|-----------------------------------------------|
| <b>MCAD MODEL</b> | <a href="#">eaton-pli_mcb_2p-3d-model.stp</a> |
|-------------------|-----------------------------------------------|

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>PEP ECO-PASSPORT</b> | <a href="#">EATO-00048-V01.01-EN</a> |
|-------------------------|--------------------------------------|

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| <b>WIRING DIAGRAMS</b> | <a href="#">eaton-xpole-mmc4-6-m-mcb-wiring-diagram-003.jpg</a> |
|------------------------|-----------------------------------------------------------------|

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



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