

## RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION, 10KA. 2 MODULES, 1P+N - TYPE A, 32A



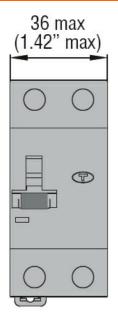
| Companiement   | Product designation  Product type designation  Number of poles  Number of DIN modules  Compliance |        |       | Residual current<br>circuit breaker<br>with overcurrent<br>protection<br>(RCBO)<br>P1 RB<br>1P+N<br>2 |
|--|---|--------|-------|---|
| Rated insulation voltage Ui IEC/EN         V         400           Rated impulse withstand voltage Uimp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated frequency         Hz         50/60           Rated current (In)         A         32           Tripping curve         C         A           Residual operation characteristic         A         A           Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         3.84           Ambient conditions         min         °C         -35           Coparating temperature         min         °C         -35           Max         °C         70         ***           Storage temperature         min         °C         -40           Max altitude         min         °C         -40           Max altitude         min         vertical plan           Fixing         35mm DIN rail           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1,8           max         Nm         2<  |   |        |       | IEC   |
| Rated impulse withstand voltage Ulimp   Rated operational voltage AC (IEC)   VAC   230     Rated operational voltage AC (IEC)   VAC   230     Rated frequency   Hz   50/60     Rated current (In)   A   32     Tripping curve   C     Residual operation characteristic   A     Rated residual current   mA   300     Short circuit rating (IEC)   kA   10     Power dissipation per pole max   W   3.84     Ambient conditions     Operating temperature   min   °C   -35     max   °C   70     Storage temperature   min   °C   -40     max   °C   70     Storage temperature   min   °C   -40     max   °C   80     Max altitude   m   2000     Mechanical features     Operating position   normal   Vertical plan     Fixing   35mm DIN rail     Fixing   35mm DIN rail     Tightening torque for terminals   min   Nm   1.8     max   Nm   2     min   libin   16     max   min   17.7     Terminals tool   Pz 2     Conductor section   IEC   min   mm²   2     AWG/Kemil   min   mm²   2     AWG/Kemil   min   mm²   2     MWG/Kemil   min   16     max   min   min   16     min   min   16     min   min   16     min   min   min   16     min   min   min   16     min   min   min   16     min   min   min   min   16     min   min   min   min   16     min   min   min   min   min   min   min     min   min   min   min   min   min   min     min   mi |   |        | V     | 400   |
| Rated operational voltage AC (IEC)         VAC         230           Rated frequency         Hz         50/60           Rated current (In)         A         32           Tripping curve         C         C           Residual operation characteristic         A         A           Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         3.84           Ambient conditions         W         3.84           Operating temperature         min         °C         -35           Max altitude         min         °C         40           Max altitude         m         2000           Mechanical features         Operating position         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2           min         lbin         16           max         lbin         17.7           Terminals tool         min         min         17.7           Terminals tool         min         min         min         1.7 </td <td></td> <td></td> <td></td> <td></td>  |   |        |       |   |
| Rated frequency         Hz         50/60           Rated current (In)         A         32           Tripping curve         C         C           Residual operation characteristic         A         A           Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         3.84           Ambient conditions         min         °C         -35           Operating temperature         min         °C         -35           Storage temperature         min         °C         -40           Max altitude         m         2000           Mechanical features         min         Vertical plan           Operating position         normal         Vertical plan           Fixing         normal         Vertical plan           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         2           Conductor section         pz 2         2           IEC         min         min         1.7.7           Terminals tool         min         min         1.7.7           Terminals tool  |   |        |       |   |
| Rated current (In)   |   |        |       |   |
| Tripping curve   |   |        | Α     | 32  |
| Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         3.84           Ambient conditions         Uperating temperature         min °C -35 max °C 70           Storage temperature         min °C -40 max °C 80           Max altitude         min 2000           Mechanical features         Operating position         normal Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min Nm 1.8 max Nm 2 max Nm   | Tripping curve  |        |       | С   |
| Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         3.84           Ambient conditions         Operating temperature           min         °C         -35           max         °C         70           Storage temperature         min         °C         -40           max         °C         80           Max altitude         m         2000           Mechanical features         Operating position         normal         Vertical plan           Fixing         Tightening torque for terminals           min         Nm         1.8           max         Nm         2           min         lbin         17.7           Terminals tool         EC           Conductor section         IEC         min         mm²         1           AWG/Kcmil         min         mm²         25           AWG/Kcmil         min         min         min           min         min         min         min           min         min         min         min           min         min         min         min  |   |        |       | A   |
| Power dissipation per pole max   | Rated residual current  |        | mΑ    | 300   |
| Ambient conditions   | Short circuit rating (IEC)  |        | kA    | 10  |
| Operating temperature         min max "C - 35 max "C 70           Storage temperature         min "C - 40 max "C 80           Max altitude         m 2000           Mechanical features           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min Nm 1.8 max Nm 2   | Power dissipation per pole max  |        | W     | 3.84  |
| Min max  | Ambient conditions  |        |       |   |
| Storage temperature           Storage temperature         min or C max         *C max         *C max         *C max         *C max         *E max  | Operating temperature   |        |       |   |
| Storage temperature         min max         °C and color with the color w  |   | min    |       |   |
| min max         °C valous or valou                               |   | max    | °C    | 70  |
| Max altitude         m         2000           Mechanical features         Operating position           Fixing         Tommal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2           min         lbin         17.7           Terminals tool         Pz 2           Conductor section           IEC         min         mm²         1           AWG/Kcmil         min         mm²         25           AWG/Kcmil         min         min </td <td>Storage temperature</td> <td></td> <td></td> <td></td>   | Storage temperature   |        |       |   |
| Max altitude         m         2000           Mechanical features         Operating position           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2           min         lbin         16           max         lbin         17.7           Terminals tool         Pz 2           Conductor section         IEC           min         mm²         1           AWG/Kcmil         min         mm²         25           AWG/Kcmil         min         min         min         16           max         3         3  |   | min    |       |   |
| Mechanical features           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min Nm 1.8 max Nm 2 max Nm 2 max 1bin 16 max 1bin 16 max 1bin 17.7           Terminals tool         Pz 2           Conductor section         IEC           min mm² 1 mm² 1 max mm² 25           AWG/Kcmil         min 16 max 3           min max 3         3  |   | max    |       |   |
| Operating position           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2           min         Ibin         16           max         Ibin         17.7           Terminals tool         Pz 2           Conductor section           IEC         min         mm²         1           AWG/Kcmil         min         mm²         25           AWG/Kcmil         min         min         16           max         3         16   |   |        | m     | 2000  |
| Normal   Vertical plan   |   |        |       |   |
| Tightening torque for terminals  | Operating position  |        |       |   |
| Tightening torque for terminals  |   | normal |       | <u> </u>  |
| Min   Nm   1.8   max   Nm   2   min   Ibin   16   max   Ibin   17.7  |   |        |       | 35mm DIN rail   |
| Max   Nm   2   min   Ibin   16   max   Ibin   17.7     Terminals tool   Pz 2   | lightening torque for terminals   | !      | Nima  | 4.0   |
| Min   Ibin   16   Max   Ibin   17.7     Terminals tool   Pz 2  |   |        |       |   |
| Terminals tool   |   |        |       |   |
| Terminals tool   |   |        |       |   |
| IEC  | Terminals tool  | Пах    | 10111 |   |
| IEC  min mm² 1  max mm² 25  AWG/Kcmil  min 16  max 3   |   |        |       |   |
| min mm² 1<br>max mm² 25<br>AWG/Kcmil min 16<br>max 3   |   |        |       |   |
| Max mm² 25  AWG/Kcmil  min 16  max 3   |   | min    | mm²   | 1   |
| AWG/Kcmil min 16 max 3   |   |        |       |   |
| min 16<br>max 3  | AWG/Kcmil   |        |       |   |
| max 3  |   | min    |       | 16  |
|  |   |        |       |   |
|  | Weight  |        | g     | 205   |

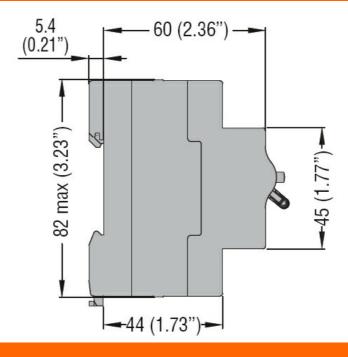


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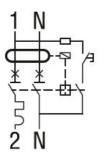
**ENERGY AND AUTOMATION** 

| Frontal IP degree | IP20 |
|-------------------|------|
| Pollution degree  | 2    |
| Dimensions        |      |





## Wiring diagrams



## Certifications and compliance

Compliance

IEC/EN 61009-1

Certifications

EAC

TÜV-Rheinland

ETIM classification

**ETIM 8.0** 

EC000905 -Earth leakage circuit breaker