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



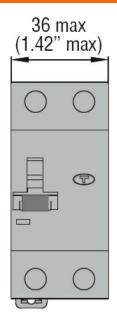
| Rated insulation voltage Ui IEC/EN   V   400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 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         C           Residual operation characteristic         AC         AC           Rated residual current         mA         30           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         3.84           Ambient conditions         To 70           Operating temperature         min         °C         -35           max         °C         70           Storage temperature         min         °C         -40           max         °C         80           Max altitude         mo         2000           Mechanical features         mo         2000           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Fixing         min         Nm         1.8           max         nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                   |        |       | ILO                                                                                                   |
| 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   AC     Rated residual current   mA   30     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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                   |        | 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         AC         AC           Rated residual current         mA         30           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         3.84           Ambient conditions         W         3.84           Operating temperature         min         °C         -35           Storage temperature         min         °C         -35           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         2           Conductor section         Pz 2         2           AWG/Kcmil         min         min         16           max         mm²         2           min         mm         25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                   |        |       |                                                                                                       |
| Rated frequency         Hz         50/60           Rated current (In)         A         32           Tripping curve         C         C           Residual operation characteristic         AC         AC           Rated residual current         mA         30           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         3.84           Ambient conditions         To 70           Storage temperature         min         °C         -35           max         °C         70           Storage temperature         min         °C         -40           Max altitude         m         2000           Mechanical features         To 70         35mm DIN rail           Operating position         normal         Vertical plan           Fixing         normal         Vertical plan           Tightening torque for terminals         min         Nm         1.8           max         Nm         2           min         1bin         17.7           Terminals tool         min         min         1min           Conductor section         min         min         1min           <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                   |        |       |                                                                                                       |
| Rated current (In)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                   |        |       |                                                                                                       |
| Tripping curve                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                   |        | Α     | 32                                                                                                    |
| Residual operation characteristic         AC           Rated residual current         mA         30           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         °C         70           Storage temperature         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         1bin         16           Terminals tool         min         min         min         1         2           Conductor section         min         mm         mm         2         2           AWG/Kcmil         min         mm         mm         16         mm         16           min         min         min         min         min         min         min         16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 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         min         mm²         1           AWG/Kcmil         min         mm²         25           AWG/Kcmil         min         min         min         min           min         min         min         min         min         min         min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                   |        |       | AC                                                                                                    |
| Power dissipation per pole max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                   |        | mΑ    | 30                                                                                                    |
| 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         1           AWG/Kcmil         min         16         max         3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                   |        |       | 1 4 4                                                                                                 |
| 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                                                                                                   |

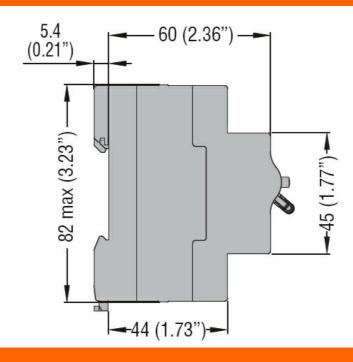


RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION, 10KA. 2 MODULES, 1P+N - TYPE AC, 32A

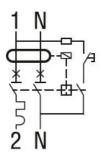
| ENERGY | AND | AUTOM | ATION |
|--------|-----|-------|-------|
|--------|-----|-------|-------|

| 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