



## RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION, 10KA. 2 MODULES, 1P+N - TYPE AC, 16A



Committee	Product designation  Product type designation  Number of poles  Number of DIN modules  Compliance			Residual current circuit breaker with overcurrent protection (RCBO) P1 RB 1P+N 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         16           Tripping curve         C         C           Residual operation characteristic         AC         AC           Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         2.4           Ambient conditions         To         70           Operating temperature         min         °C         -35           max         °C         70           Storage temperature         min         °C         -40           max         °C         80           Max attitude         more max         Vertical plan           Fixing         35mm DIN rail           Fixing         min         Nm         1.8           max         Nm         2           min         Image: Nm         1.7         7           Terminals tool				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   16     Tripping curve   C     Residual operation characteristic   MA   300     Short circuit rating (IEC)   Rated residual current   MA   300     Short circuit rating (IEC)   Rate   Rat			V	400
Rated operational voltage AC (IEC)         VAC 230           Rated frequency         Hz 50/60           Rated current (In)         A 16           Tripping curve         C           Residual operation characteristic         AC           Rated residual current         mA 300           Short circuit rating (IEC)         kA 10           Power dissipation per pole max         W 2.4           Ambient conditions         W 2.4           Operating temperature         min °C -35 max °C 70           Storage temperature         min °C -40 max °C 80           Max altitude         m 2000           Mechanical features         Operating position           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min Nm 1.8 max Nm 2 max Nm 2 min lbin 16 max lbin 17.7           Terminals tool         Pz 2           Conductor section         IEC         min mm mm² 1 max mm² 25           AWG/Kcmil         min mm² 16 max 3         16 max 3				
Rated frequency         Hz         50/60           Rated current (In)         A         16           Tripping curve         C         C           Residual operation characteristic         AC         AC           Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         2.4           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           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         min           Tightening torque for terminals         min         1.8         min         1.7           Terminals tool         pz 2         2           Conductor section         min         min         1.7         1           AWG/Kcmil         min         1.6<				
Rated current (In)				
Tripping curve			Α	16
Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         2.4           Ambient conditions         Uperating temperature           Min         °C         -35           max         °C         70           Storage temperature         min         °C         -40           Max altitude         m         2000           Mechanical features         vertical plan           Operating position         normal         vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         min         16           max         lbin         17.7         17         16         max         mm         25           AWG/Kcmil         min         m	Tripping curve			С
Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         2.4           Ambient conditions         Toward in the product of the p				AC
Power dissipation per pole max	Rated residual current		mΑ	300
Ambient conditions	Short circuit rating (IEC)		kA	10
Operating temperature         min max "C 35 not max" "C 70           Storage temperature         min "C 40 not 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 now Nm 2	Power dissipation per pole max		W	2.4
Min max	Ambient conditions			
Storage temperature           Storage temperature         min min max         °C max         -40 max         °C max         80           Max altitude         m         2000	Operating temperature			
Storage temperature         min max "C -40 max "C 80           Max altitude         m 2000           Mechanical features           Operating position           Fixing         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min Nm 1.8         namax Nm 2         2           Terminals tool         p z 2           Conductor section         IEC         min mm² 17         mm² 25           AWG/Kcmil         min mm² 16		min		
Max altitude         "C 80           Mechanical features         Wertical plan           Operating position         normal         Vertical plan           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         EC           IEC         min min mm² 1 max mm² 25           AWG/Kcmil         min min mm² 16 max 16 max 3		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         16           max         mm²         1           Conductor section         EC         min         mm²         1           AWG/Kcmil         min         mm²         25           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 Nm 1.8 max Nm 2 min lbin 16 max lbin 17.7           Terminals tool         Pz 2           Conductor section           IEC         min mm² nm² 1 max mm² 25           AWG/Kcmil         min mm² 16 max 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         3			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				
Terminals tool				
Terminals tool				
Conductor section	Terminals tool	Пах	10111	
IEC  min mm² 1  max mm² 25  AWG/Kcmil  min 16  max 3				1 4 4
min mm² 1 max mm² 25  AWG/Kcmil min 16 max 3				
		min	mm²	1
AWG/Kcmil min 16 max 3				
min 16 max 3	AWG/Kcmil			
max 3		min		16
	Weight		g	205



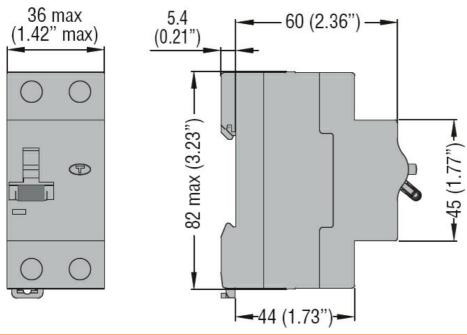


**ENERGY AND AUTOMATION** 

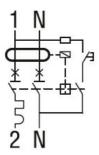
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Frontal IP degree	IP20
Pollution degree	2

## 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