



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



Securical leatures	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 10 Tripping curve C C Residual operation characteristic AC C Rated residual current mA 30 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 1,7 Ambient conditions min °C -35 Coparating temperature min °C -35 Max "C 70 Storage temperature min °C -40 Max attitude more max "C 80 Mexantitude more max "C 80 Departing position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1,8 max				120
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 10 Tripping curve C Residual operation characteristic MA 30 Rated residual current MA 30 Short circuit rating (IEC) Rated residual current MA 30 Short circuit rating (IEC) Rated residual current MA 30 Short circuit rating (IEC) Rated residual current MA 30 Short circuit rating (IEC) Rated residual current MA 10 Power dissipation per pole max W 1.7 Ambient conditions To C	Rated insulation voltage Ui IEC/EN		V	400
Rated frequency Hz 50/60 Rated current (In) A 10 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 1.7 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 Ibin 17.7 Terminals tool pz 2 2 Conductor section min min min 1 AWG/Kcmil min min 16<			kV	4
Rated current (In)	Rated operational voltage AC (IEC)		VAC	230
Tripping curve	Rated frequency		Hz	50/60
Residual operation characteristic AC Rated residual current mA 30 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 1.7 Ambient conditions W 1.7 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 1 bin 16 max 1bin 17.7 Terminals tool pz 2 Conductor section IEC Min max mm² 2 5 min mm² 1 max mm² 25 AWG/Kcmil min min min 16 max 3	Rated current (In)		Α	10
Rated residual current mA 30 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 1.7 Ambient conditions Operating temperature min °C rowspan="2">°C row	Tripping curve			С
Short circuit rating (IEC) kA 10 Power dissipation per pole max W 1.7 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	Residual operation characteristic			AC
Power dissipation per pole max	Rated residual current		mΑ	30
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			W	1.7
Min max				
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			40
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				
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	Mana akitu da	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			\/antical plan
Tightening torque for terminals	Fiving	normai		
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	righterning torque for terminals	min	Nm	1 Ω
Min Ibin 16				
Terminals tool				
Terminals tool				
Conductor section	Terminals tool			
IEC min mm² 1 max mm² 25 AWG/Kcmil min 16 max 3				
min mm² 1 max mm² 25 AWG/Kcmil min 16 max 3				
		min	mm²	1
AWG/Kcmil min 16 max 3		max		25
max 3	AWG/Kcmil			
		min		16
Weight g 205		max		3
	Weight		g	205



2

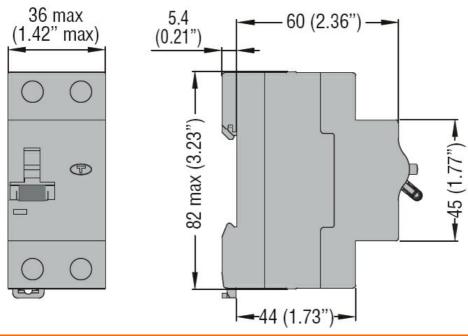


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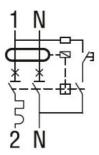
ENERGY AND ACTOMATION	
Frontal IP degree	IP20

Dimensions

Pollution degree



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61009-1

Certifications

EAC

TÜV-Rheinland

ETIM classification

ETIM 8.0

EC000905 -Earth leakage circuit breaker