

RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION, 10KA. 2 MODULES, 1P+N - TYPE A, 40A



Second S	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 40 Tripping curve C A Residual operation characteristic A A Rated residual current mA 300 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 4 Ambient conditions max °C -35 Coperating temperature min °C -35 Max °C 70 ** Storage temperature min °C -40 Max altitude min °C -40 Max altitude min vertical plan Fixing 35mm DIN rail Fixing 35mm DIN rail Tightening torque for terminals min Nm 1,8 max Nm 2				IEC
Rated impulse withstand voltage Ulimp Rated operational voltage AC (IEC) VAC 230 Rated operational voltage AC (IEC) VAC 230 Rated frequency Hz 50/60 Rated current (In) A 40 Tripping curve C Residual operation characteristic A Rated residual current mA 300 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 4 Ambient conditions Operating temperature min °C -35 max °C 70 Storage temperature min °C -40 max °C 70 Storage temperature min °C -40 Max altitude max 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min lbin 16 max max 17.7 Terminals tool p2 2 Conductor section IEC min mm² 2 AWG/Kemil min mm² 2 AWG/Kemil min mm² 2 MWG/Kemil min min 16 max min min 16 min min min min 16 min min min min 16 min			V	400
Rated operational voltage AC (IEC) VAC 230 Rated frequency Hz 50/60 Rated current (In) A 40 Tripping curve C C Residual operation characteristic A A Rated residual current mA 300 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 4 Ambient conditions W 4 Operating temperature min °C -35 Max altitude min °C 40 Max altitude m 2000 Mechanical features Operating position Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 2 Conductor section Pz 2 2 AWG/Kcmil min min 16 max mm 25 AWG/Kcmil min 16 max				
Rated frequency Hz 50/60 Rated current (In) A 40 Tripping curve C C Residual operation characteristic A A Rated residual current mA 300 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 4 Ambient conditions min °C -35 Max altitude min °C -40 Max altitude min 2000 Mechanical features mormal Vertical plan 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 pz 2 Conductor section IEC min min 1 AWG/Kcmil min 16 max 3				
Rated current (In)				
Tripping curve			Α	40
Rated residual current mA 300 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 4 Ambient conditions Operating temperature min °C -35 max °C 70 Storage temperature min °C -40 max °C 80 Max altitude min 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Fixing Tightening torque for terminals min Nm 1.8 max Nm 2 max Nm 2 min 1bin 16 max 1bin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 max mm² 2 5 AWG/Kcmil min mm² 16 max 16 max 3	Tripping curve			С
Short circuit rating (IEC) kA 10 Power dissipation per pole max W 4 Ambient conditions Operating temperature min °C -35 max °C 70 Storage temperature min °C -40 max °C 80 80 Max altitude m 2000 Mechanical features Operating position normal Vertical plan Fixing Tightening torque for terminals min max Nm 2 min lbin 18 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool EC Conductor section IEC min mm² nm² 1 max mm² 25 AWG/Kcmil min mm² 16 max 16 max 3				A
Power dissipation per pole max	Rated residual current		mΑ	300
Ambient conditions	Short circuit rating (IEC)		kA	10
Operating temperature min max "C - 35 max "C 70 Storage temperature min "C - 40 max "C 80 Max altitude m 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 max Nm	Power dissipation per pole max		W	4
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		
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 max mm² 25 AWG/Kcmil min 16 max 3				
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

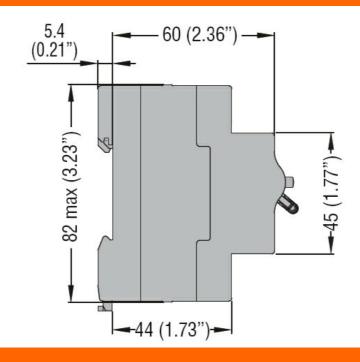


ENERGY AND AUTOMATION

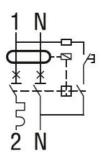
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Frontal IP degree	IP20
Pollution degree	2

36 max (1.42" max)



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61009-1

Certifications

EAC

TÜV-Rheinland

ETIM classification

ETIM 8.0

EC000905 -Earth leakage circuit breaker