



Electrical features V 400 Rated insulation voltage Uimp kV 4 Rated inpulse withstand voltage AC (IEC) VAC 230 Rated requency Hz 50%60 Rated current (In) A 16 Tripping curve C Residual operation characteristic ACC Rated residual current mA 30 Short circuit rating (IEC) kA 10 Power dissipation per pole max W 2.4 Ambient conditions C	Product designation Product type designation Number of poles Number of DIN modules			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 requency Hz 50/60 Rated requency A 16 Tripping curve C C Residual operation characteristic AC C Operating target problemax W 2.4 Ambient conditions max "C -35 Operating temperature min "C -40 max "C 80 Max altitude m 2000 Mechanical features min "C -40 max "C -40 Max altitude m 2000 max "C 80 -40 Tightening torque for terminals	Compliance			IEC
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 Residual operation characteristic AC Rated current (In) KA 10 Residual current (In) 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 C -40 Operating position min °C -35			N/	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 30 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 altitude max °C 40 max °C 80 Mechanical features mormal Vertical plan Smm DIN rail Tightening torque for terminals 3mm Nm 1.8 max Nm 2 2 Conductor section IEC min min 16 max max min AWG/Kcmil min 16 max 3 16 3 16				
Rated frequency Hz 50/60 Rated current (In) A 16 Tripping curve C Residual operation characteristic AC Rated residual current mA 30 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 40 Max altitude max °C 80 M Max altitude M 2000 Mechanical features min °C -40 max °C 80 Max altitude mormal Vertical plan Smm DIN rail Tightening torque for terminals 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 Conductor section IEC min min 16 max 30 AWG/Kc				
Rated current (In) A 16 Tripping curve C Residual operation characteristic AC Rated residual current mA Short circuit rating (IEC) kA Power dissipation per pole max W Ambient conditions				
Tripping curve C Residual operation characteristic AC Rated residual current mA 30 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 altitude m 2000 Mechanical features mormal Vertical plan Fixing normal Vertical plan Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max IEC min min min min min 16 Max AWG/Kcmil min 16 max 3 min 16				
Residual operation characteristic AC Rated residual current MA 30 Short circuit rating (IEC) KA 10 Power dissipation per pole max W 2.4 Ambient conditions Operating temperature			Λ	
Rated residual current mA 30 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 attitude m 2000 Machanical features 0 0 Operating position m 2000 min °C 80 Max attitude m 2000 min Nm 2000 Mechanical features mormal Vertical plan 18 Operating position min Nm 1.8 Fixing 35mm DIN rail 35mm DIN rail Tightening torque for terminals min 16 max min 16 max MWG/Kcmil min 16 max				
Short circuit rating (IEC) kA 10 Power dissipation per pole max W 2.4 Ambient conditions min °C -35 Operating temperature min °C -35 Max attitude min °C -40 Max attitude min °C 80 Max attitude min °C 80 Max attitude min 2000 min Mechanical features min 0 2000 Operating position normal Vertical plan 18 Fixing 35mm DIN rail 35mm DIN rail 18 Tightening torque for terminals min 1.8 max Nm 2 Conductor section IEC Pz 2 2 2 2 2 2 2 2 AWG/Kcmil min 16 max 3 3 3 3			mA	
Power dissipation per pole max W 2.4 Ambient conditions Operating temperature min °C - 35 max °C 70 Storage temperature min °C - 40 max °C 80 Max attitude m 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min lbin 16 max Nm 2 min lbin 16 max mm² 25 AWG/Kcmil min 16 max 3				
Ambient conditions Operating temperature min °C -35 max °C 70 Storage temperature min °C -40 max °C 80 Max altitude m 2000 Mechanical features m 2000 Operating position normal Vertical plan Fixing 35mm DIN rail 35mm DIN rail Tightening torque for terminals min Nm 1.8 min lbin 16 max Nm 2 Conductor section IEC min min min min AWG/Kcmil min 16 max 3				
Operating temperature min °C -35 max °C 70 Storage temperature min °C 40 Max altitude max °C 80 Max altitude max °C 80 Mechanical features 000 mormal Vertical plan Fixing 35mm DIN rail 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min 16 max min 16 max 3 Conductor section IEC min min 16 Max Min 16 max 3				
min °C -35 max Storage temperature °C 70 Storage temperature min °C -40 max Max altitude m 2000 Mechanical features m 2000 Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm min Ibin 16 max min Conductor section IEC min min 16 max AWG/Kcmil min 16 max 3				
Storage temperature min °C -40 max °C 80 Max altitude m 2000 Mechanical features m 2000 Operating position normal Vertical plan Fixing 35mm DIN rail 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max min 16 max 3 Conductor section IEC min 16 MWG/Kcmil min 16 max 3		min	°C	-35
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		max	°C	70
max °C 80 Max altitude m 2000 Mechanical features Operating position Image: Second se	Storage temperature			
Max altitude m 2000 Max altitude m 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 Terminals tool Pz 2 2 Conductor section IEC min mmx mm² 1 AWG/Kcmil min 16 max 3 16		min	°C	-40
Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 Terminals tool Pz 2 Conductor section Pz 2 IEC min mm² 1 Max mm² 25 AWG/Kcmil min 16 max 3 3		max	°C	80
Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max min mm² 1 17.7 Terminals tool Pz 2 Pz 2 1 Conductor section IEC min mm² 1 AWG/Kcmil min 16 max 3	Max altitude		m	2000
normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max mm² 25 25 AWG/Kcmil min 16 max 3 16				
Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Pz	Operating position			
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 min mm² AWG/Kcmil min 16 max mm² 25 AWG/Kcmil min 16 max 3 3		normal		
min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section IEC IEC min mm² AWG/Kcmil min 16 max min 16 max min 16 max mm² 25 AWG/Kcmil min 16 max 3 3				35mm DIN rail
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 16 3	Tightening torque for terminals	_		
min Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 MWG/Kcmil min mm² 25 AWG/Kcmil min 16 max 3				
max lbin 17.7 Terminals tool Pz 2 Conductor section IEC				
Terminals tool Pz 2 Conductor section IEC min mm² AWG/Kcmil min min 16 max 3				
Conductor section IEC min mm² 1 max mm² 25 AWG/Kcmil min 16 max 3 3		max	IDIN	
IEC min mm ² 1 max mm ² 25 AWG/Kcmil min 16 max 3				PZ 2
min mm² 1 max mm² 25 AWG/Kcmil min 16 max 3				
max mm² 25 AWG/Kcmil min 16 max 3	IEC	min	mm ²	1
AWG/Kcmil min 16 max 3				
min 16 max 3	AWG/Kcmil	max		20
max 3		min		16
	Weight	max	g	205

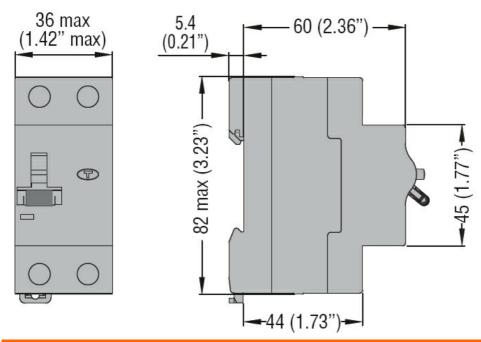
ova electric

P1RB1NC16AC030 RESIDUAL CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION, 10KA. 2

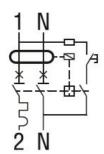
ENERGY AND AUTOMATION

MODULES, 1P+N - TYPE AC, 16A





Wiring diagrams



Certifications and compliance			
Compliance			
	IEC/EN 61009-1		
Certifications			
	EAC		
	TÜV-Rheinland		
ETIM classification			
		EC000905 -	
ETIM 8.0		Earth leakage	

circuit breaker