ENERGY AND AUTOMATION

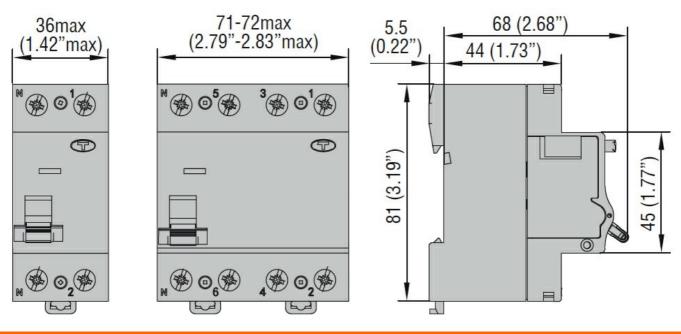
electric RESIDUAL CURRENT OPERATED CIRCUIT BREAKER, 4 MODULES, 4P - TYPE A, 63A, 30MA



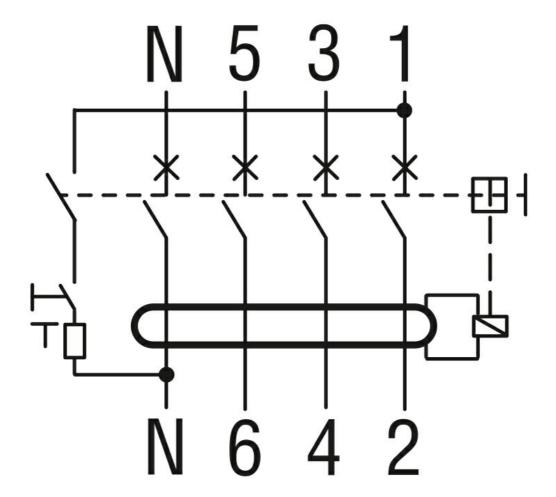
Product designation Feature of circult breakers (RCCB) Product type designation 91RD Number of poles 4P Number of DIN modules 4P Compliance 1EC Electrical features 7V 400 Rated insulation voitage UHEC/EN VX 4 Rated insulation voitage UHEQ/EN KV 4 Rated operational voitage VIEC) VXC 200/400 Rated frequency HZ 50/60 Rated residual current A 63 Residual operation characteristic KA 10 Rated residual current MA 10 Short circuit rating (EEC) KA 10 Electrical life cycles 10000 Ambient conditions min °C -35 Operating temperature min °C -40 Max altitude max °C +80 Max altitude max °C +80 Poerating position max "Expression of the position of the position of the position of the					
Product type designation circuit breakers (RCB) Product type designation 1 4 Number of poles 4 4 Number of DIN modules 1 4 Compliance IEC Electrical features V 400 Rated insulation voltage UI IEC/EN V 400 Rated inpulse withstand voltage UImp kV 4 Rated operational voltage AC (IEC) VAC 203/400 Rated requency Hz 50/60 Rated oreation characteristic A 3 Residual current mA 30 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Operating temperature min °C -35 Storage temperature min °C -40 Max altitude m 2000 Mechanical features mm 2000 Operating position moral v 42 Fixing moral v 42 Fonductor section mm				Residual current	
RCCB Product type designation	Product designation				
Number of poles 4P Number of DIN modules 4 Compliance 1EC Electrical features	Č			(RCCB)	
Number of poles 4P Number of DIN modules 4 4 4 4 4 4 4 4 5 5	Product type designation			P1RD	
Number of DIN modules 4 Compliance IEC Electrical features IEC Rated insulation voltage Ui IEC/EN V 400 Rated inpulse withstand voltage Uimp kV 40 Rated operational voltage AC (IEC) VAC 230/400 Rated current (In) A 63 Residual operation characteristic mA 30 Residual operation characteristic kA 10 Residual current mA 30 Short circuit rating (IEC) kA 10 Residual current mA 30 Short circuit rating (IEC) kA 10 Residual current mA 30 Short circuit rating (IEC) mB kA 10 Residual operation characteristic mB kA 10 Residual operation characteristic mB kA 10 Residual operation characteristic mB mB c 40 Residual portuge max "C 40 40 4				4P	
Electrical features V 400 Rated insulation voltage Uil IEC/EN V 4 Rated insulation voltage Uimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operation voltage AC (IEC) VAC 230/400 Rated current (In) A 63 Residual operation characteristic A A Rated residual current mA 30 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Ambient conditions Operating temperature min °C -35 max °C -40 max °C -40 <td col<="" td=""><td>·</td><td></td><td></td><td>4</td></td>	<td>·</td> <td></td> <td></td> <td>4</td>	·			4
Electrical features V 400 Rated insulation voltage Uil IEC/EN V 4 Rated insulation voltage Uimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operation voltage AC (IEC) VAC 230/400 Rated current (In) A 63 Residual operation characteristic A A Rated residual current mA 30 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Ambient conditions Operating temperature min °C -35 max °C -40 max °C -40 <td col<="" td=""><td>Compliance</td><td></td><td></td><td>IEC</td></td>	<td>Compliance</td> <td></td> <td></td> <td>IEC</td>	Compliance			IEC
Rated impulse withstand voltage Ulimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated frequency Intz 50/60 Rated current (In) A 63 Residual operation characteristic Integration of Machine And A 30 Rated residual operation characteristic Integration A 30 Rated residual operation characteristic Integration A 10 Short circuit rating (IEC) Integration A 10 Electrical life cycles 10000 Amount of Company o	Electrical features				
Rated operational voltage AC (IEC) VAC 230/400 Rated drequency Hz 50/60 Rated current (In) A 63 Residual operation characteristic A A Rated current mA 30 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Ambient conditions Operating temperature min °C - 35 max °C +70 Storage temperature min °C - 40 max °C +80 Max altitude max 2000 Mechanical features Operating position mormal Vertical plan Fixing normal Vertical plan Tightening torque for terminals max Nm 2 Terminals tool max nm 2 Conductor section IEC min mm mm 2.5 max mm 35 AWG/Kcmil <td< td=""><td>Rated insulation voltage Ui IEC/EN</td><td></td><td>V</td><td>400</td></td<>	Rated insulation voltage Ui IEC/EN		V	400	
Rated frequency Hz 50/60 Rated current (In) A 63 Residual operation characteristic MA 30 Rated residual current mA 30 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Ambient conditions Operating temperature min *C -35 min *C -40 max *C +40 Max altitude max *C +80 Mechanical features Operating position max Nm 2 Vertical plan Fixing s5mm DIN rail Tightening torque for terminals max Nm 2 Terminals tool pz 2 Conductor section IEC min mm 2 AWG/Kcmil min mm	Rated impulse withstand voltage Uimp		kV	4	
Rated current (In) A 63 Residual operation characteristic A A Rated residual current mA 30 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Ambient conditions Operating temperature min °C -35 max °C +70 Storage temperature Max altitude min °C -40 Max altitude m 2000 Mechanical features onormal Vertical plan Fixing 35mm DIN rail Fixing 35mm DIN rail Tightening torque for terminals max Nm 2 max Ibin 15 Terminals tool pz 2 2 Conductor section min mm 2 AWG/Kcmil min mm 14 max mm 14 max max 2 <	Rated operational voltage AC (IEC)		VAC	230/400	
Rated current (in) A 63 Residual operation characteristic mA 30 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Ambient conditions Operating temperature min "C - 35 max "C +70 Storage temperature min "C - 40 max "C +80 Mechanical features Operating position Informal features Operating position Informal features Operating position Informal features Operating position Informal features Tightening torque for terminals IEC IEC IEC min max mm 2 AWG/Kcmil min mmx 2.5 max mm 14 max 2.5 max mm 14 max <td>Rated frequency</td> <td></td> <td>Hz</td> <td>50/60</td>	Rated frequency		Hz	50/60	
Rated residual current mA 30 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Ambient conditions Operating temperature Storage temperature min °C -35 max °C +70 Storage temperature min °C -40 max °C +40 max °C +80 Mechanical features Operating position Fixing normal Vertical plan Tightening torque for terminals max Nm 2 max Nm 2 max libin 15 Terminals tool p 2 2 Conductor section IEC min mm² mm² 2.5 max mm² 35 AWG/Kcmil min mm² mm² 2.5 max mm² 35 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2			Α	63	
Rated residual current mA 30 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Ambient conditions Operating temperature Storage temperature min of C of cycles -35 max of C of cycles +70 Storage temperature min of C of cycles -40 max of C of cycles +80 Max altitude m of cycles 2000 Mechanical features Operating position normal Vertical plan Fixing Tightening torque for terminals max of cycles Nm DIN rail Terminals tool p 2 2 Conductor section IEC min of min of cycles min of min of cycles AWG/Kcmil Mechanical life cycles 20000 Weight g 326 Frontal IP degree p 1P20 Pollution degree 2	Residual operation characteristic			A	
Electrical life			mA	30	
Electrical life	Short circuit rating (IEC)		kA	10	
Ambient conditions Operating temperature min max °C max -35 max Storage temperature min max °C max -40 max Max altitude m 2000 2000 Mechanical features mormal Vertical plan String 35mm DIN rail Tightening torque for terminals max lbin 15 Terminals tool max lbin 15 Terminals tool p2 2 2 Conductor section min mm² 2.5 max AWG/Kcmil min mm² 35 AWG/Kcmil min 14 max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree 1P20 Pollution degree 1P20			cycles	10000	
Minin 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 max Nm 2 Somm DIN rail Tightening torque for terminals max Ibin 15 Terminals tool p 2 2 Conductor section IEC min mm mm² 2.5 max mm² 35 AWG/Kcmil min min 14 max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree IP20	Ambient conditions				
Minin 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 max Nm 2 max lbin 2 Tightening torque for terminals max lbin 15 Terminals tool p 2 2 Conductor section IEC min min mm² 2.5 max mm² 35 AWG/Kcmil min min 14 max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree IP20	Operating temperature				
Storage temperature Storage temperature min °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 Terminals tool max Nm 2 Conductor section Pz 2 IEC min mm² 2.5 AWG/Kcmil min mm² 35 AWG/Kcmil min 14 max 2 Mechanical life cycle 20000 20000 2 2 2 Mechanical IP degree g 326 2 <td></td> <td>min</td> <td>°C</td> <td>-35</td>		min	°C	-35	
Max altitude min max °C +80 Max altitude m 2000 Mechanical features Operating position Fixing Tormal Vertical plan Tightening torque for terminals max Nm 2 max Nm 2 max lbin 15 Terminals tool Pz 2 Conductor section IEC min mm² 2.5 max AWG/Kcmil min mm² 35 35 AWG/Kcmil min min mm² 2.5 2.5 max min mm² 35 AWG/Kcmil min min 14 max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2					
Max altitude min max °C +80 Max altitude m 2000 Mechanical features Operating position Fixing Tormal Vertical plan Tightening torque for terminals max Nm 2 max Nm 2 max lbin 15 Terminals tool Pz 2 Conductor section IEC min mm² 2.5 max AWG/Kcmil min mm² 35 35 AWG/Kcmil min min mm² 2.5 2.5 max min mm² 35 AWG/Kcmil min min 14 max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2	Storage temperature				
Max altitude max °C +80 Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals max Nm 2 Terminals tool max Nm 2 Conductor section Pz 2 Conductor section IEC min mm² 2.5 AWG/Kcmil min mm² 35 AWG/Kcmil min 14 max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree IP20		min	°C	-40	
Max altitude m 2000 Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals max Nm 2 max lbin 15 Terminals tool Pz 2 Conductor section IEC min mm² 2.5 Max mm² 2.5 max mm² 2.5 max mm² 35 AWG/Kcmil min max 2 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree IP20 Pollution degree IP20 Pollution degree 2		max			
Operating position Fixing 35mm DIN rail Tightening torque for terminals max max lbin lbin lbin lbin lbin lbin lbin lbin	Max altitude		m	2000	
Normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals max Nm 2 Imax Nm 2 2 Terminals tool Pz 2 Conductor section IEC min mm² 2.5 <td>Mechanical features</td> <td></td> <td></td> <td></td>	Mechanical features				
Fixing 35mm DIN rail Tightening torque for terminals max Nm 2 max Ibin 15 Terminals tool Pz 2 Conductor section min min mm² mm² 35 AWG/Kcmil min max mm² 35 AWG/Kcmil min max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2	Operating position				
Fixing 35mm DIN rail Tightening torque for terminals max Nm 2 max Ibin 15 Terminals tool Pz 2 Conductor section min mm² 2.5 max mm² 35 AWG/Kcmil min mm² 14 max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2		normal		Vertical plan	
Tightening torque for terminals max Nm 2 max Ibin 15 Terminals tool Pz 2 Conductor section IEC min mm² mm² 35 2.5 max mm² 35 AWG/Kcmil min 14 max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2	Fixing			•	
max Nm 2 max Ibin 15 Terminals tool Pz 2 Conductor section IEC min mm² 2.5 max mm² 35 AWG/Kcmil min mm² 35 14 max 2 2 Mechanical life cycles 20000 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2	- ·				
Terminals tool		max	Nm	2	
Conductor section IEC		max	lbin		
Frontal IP degree IEC	Terminals tool			Pz 2	
IEC	Conductor section				
Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2					
AWG/Kcmil max mm² 35 min max 14 14 max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2		min	mm²	2.5	
AWG/Kcmil min max 14 max 2 Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2					
min max 14 max Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2	AWG/Kcmil				
Mechanical life cycles 20000 Weight g 326 Frontal IP degree IP20 Pollution degree 2		min		14	
Weight g 326 Frontal IP degree IP20 Pollution degree 2		max		2	
Weight g 326 Frontal IP degree IP20 Pollution degree 2	Mechanical life		cycles	20000	
Frontal IP degree IP20 Pollution degree 2	Weight				
Pollution degree 2					
	Dimensions				



ENERGY AND AUTOMATION



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 61008-1



ENERGY AND AUTOMATION

P1RD4P63A030

electric RESIDUAL CURRENT OPERATED CIRCUIT BREAKER, 4 MODULES, 4P - TYPE A, 63A, 30MA

Certifications				
	EAC			
	TÜV-SUD			

ETIM classification

ETIM 8.0

EC000003 -Residual current circuit breaker (RCCB)