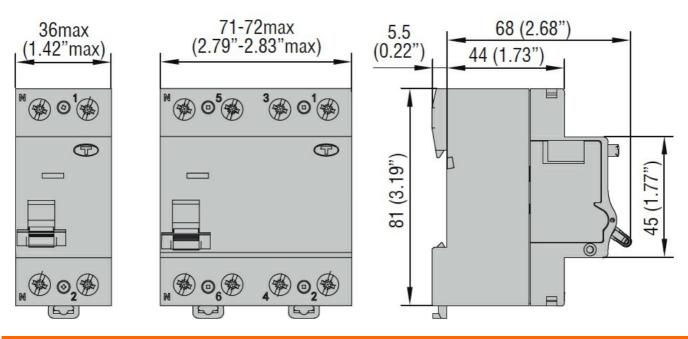
# RESIDUAL CURRENT OPERATED CIRCUIT BREAKER, 2 MODULES, 2P - TYPE AC, 40A, 300MA

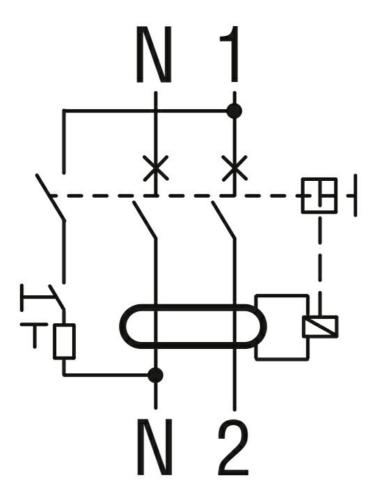


Product type designation         P1RD           Number of poles         2P           Number of DIN modules         2           Compliance         IEC           Electrical features         IEC           Rated insulation voltage Ui IEC/EN         V         400           Rated insulation voltage Uinpulse withstand voltage Uinpulse withstand voltage (IEC)         VAC         230           Rated operational voltage AC (IEC)         Hz         50/60           Rated current (In)         A         40           Residual operation characteristic         AC         AC           Rated residual current         MA         300           Short circuit rating (IEC)         KA         10           Rated conditional short-circuit current (Inc)         KA         10           Petactical life         cycles         10000           Ambient conditions         Tec         -35           Operating temperature         min         °C         -40           Max altitude         m         2000           Mechanical features         more and a contracteristic         -2           Petactical plan         15	Product designation			Residual current circuit breakers (RCCB)	
Number of DIN modules         2           Compliance         IEC           Electrical features         V         400           Rated insulation voltage UI IEC/EN         V         40           Rated inpulse withstand voltage Ulimp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated frequency         Hz         50/60           Rated current (In)         A         40           Residual operation characteristic         mA         300           Residual operation characteristic         KA         10           Rated creditional short-circuit current (Inc)         kA         10           Electrical life         cycles         10000           Armical creditions         cycles         10000           Armical frequency         min         °C         -35           Armical frequency         min         °C         -35           Rated conditional short-circuit current (Inc)         min         °C         -35           Armical frequency         min         °C         -35           Armical frequency         min         °C         -40           Armical frequency         min         min         cc         -40 <td>Product type designation</td> <td></td> <td></td> <td>P1RD</td>	Product type designation			P1RD	
Compliance	Number of poles			2P	
Electrical features         V         400           Rated insulation voltage Uimp         kV         4           Rated operational voltage LOPD         VAC         230           Rated operational voltage AC (IEC)         VAC         230           Rated operational voltage AC (IEC)         HZ         50/60           Rated current (In)         A         40           Residual operation characteristic         AC         AC           Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Stated creditional short-circuit current (Inc)         kA         10           Electrical life         cycles         10000           Ambient conditions           Operating temperature         min         °C         -35           Max altitude         m         2000           Mechanical features           Operating position         normal         vertical plan           Fixing         35mm DIN rail           Fixing         35mm DIN rail           Fixing         2         35mm DIN rail           Tightening torque for terminals         min         mm²         2.5	Number of DIN modules				
Rated insulation voltage Ui IEC/EN         V         400           Rated impulse withstand voltage Ulimp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated operational voltage AC (IEC)         VAC         230           Rated frequency         Hz         50/60           Rated current (In)         A         40           Residual operation characteristic         mA         300           Short circuit rating (IEC)         kA         10           Rated conditional short-circuit current (Inc)         kA         10           Electrical life         cycles         10000           Ambient conditions           Operating temperature           min         °C         -35           max         °C         +70           Storage temperature           Mechanical features           Operating position           In min         °C         -40           Mechanical features           Operating position         normal         vertical plan           Tightening torque for terminals         max         Nm         2           Terminals	•			IEC	
Rated impulse withstand voltage Ulimp					
Rated operational voltage AC (IEC)					
Rated frequency         Hz         50/60           Rated current (In)         A         40           Residual operation characteristic         AC           Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Rated conditional short-circuit current (Inc)         kA         10           Electrical life         cycles         10000           Ambient conditions         min         °C         -35           Operating temperature         min         °C         -35           Max altitude         m         2000           Mechanical features         m         2000           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         max         Nm         2           Terminals tool         max         Ibin         15           Terminals tool         pz 2         Conductor section           IEC         min         mm         2.5           AWG/Kcmil         min         mm         14           AWG/Kcmil         min         max         14           Mechanical life         cycles					
Rated current (In)         A         40           Residual operation characteristic         AC           Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Rated conditional short-circuit current (Inc)         kA         10           Electrical life         cycles         10000           Ambient conditions         To 2         -35           Operating temperature         min         °C         -35           Storage temperature         min         °C         -40           Max altitude         m         2000           Mechanical features         mormal         Vertical plan           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         max         Nm         2           Terminals tool         max         lbin         15           Terminals tool         max         nm         2.5           Conductor section         min         mm²         2.5           AWG/Kcmil         min         mm         14           max         nm         14         max         2	<u> </u>				
Residual operation characteristic         AC           Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Rated conditional short-circuit current (Inc)         kA         10           Electrical life         cycles         10000           Ambient conditions           Operating temperature           min         °C         -35           max         °C         +70           Storage temperature           Max altitude         m         2000           Mechanical features         m         2000           Operating position         normal         Vertical plan           Eixing         35mm DIN rail         55mm DIN rail           Tightening torque for terminals         max         Nm         2           Terminals tool         pz 2         2           Conductor section         min         mm²         2.5           AWG/Kcmil         min         min         min         14           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20					
Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Rated conditional short-circuit current (Inc)         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 attitude         m         2000           Mechanical features           Operating position         normal         Vertical plan           Fixing         somm DIN rail           Tightening torque for terminals         max         Nm         2           Terminals tool         pz 2           Conductor section           IEC         min         mm²         2,5           max         min         max         min           AWG/Kcmil         min         min         min         min           AWG/K	Rated current (In)		Α		
Short circuit rating (IEC)         kA         10           Rated conditional short-circuit current (Inc)         kA         10           Electrical life         cycles         10000           Ambient conditions           Operating temperature           min         °C         -35           max         °C         +70           Storage temperature           Max altitude         m         2000           Mechanical features           Operating position         normal         ∨ Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals           Terminals tool         max         Nm         2           Terminals tool         pz 2         2           Conductor section         IEC         min         mm²         2.5           AWG/Kcmil         min         min         m         2.5           AWG/Kcmil         min         min         m         2           Mechanical life         cycles         20000           Weight         IP20         IP20	•			AC	
Rated conditional short-circuit current (inc)         kA cycles         10000           Ambient conditions         Cycles         10000           Ambient conditions           Operating temperature           min cycle         35 cycles         470           Storage temperature           Max altitude         max         °C cycles         480           Max altitude         max         2000           Mechanical features         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         max         Nm         2           Terminals tool         max         lbin         15           Terminals tool         p2 2         2           Conductor section         IEC         min         mm²         2,5           AWG/Kcmil         min         mm²         2,5           AWG/Kcmil         min         m         14           Mechanical life         cycles         200000           Weight         g         185           Frontal IP degree         IP20	Rated residual current		mΑ	300	
Electrical life         cycles         10000           Ambient conditions         Operating temperature           min °C -35 max °C +70           Storage temperature           min 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         max lbin 15           Terminals tool         p2 2           Conductor section         min mm² 2         2.5 max mm² 35           AWG/Kcmil         min mm² mm² 35         2.5 max mm² 35           AWG/Kcmil         min min min 14 max 2         2           Mechanical life         cycles         20000           Weight         g 185           Frontal IP degree         IP20	Short circuit rating (IEC)		kA	10	
Ambient conditions           Operating temperature         min or C or 35 or 35 or 370	Rated conditional short-circuit current (Inc)		kA	10	
Operating temperature         min of colspan="4">°C -35 max of colspan="4">-35 ma	Electrical life		cycles	10000	
Min	Ambient conditions				
max         °C         +70           Storage temperature           min         °C         -40           min         °C         +80           Max altitude         m         2000           Mechanical features           Operating position           normal         Vertical plan           Fixing         max         Nm         2           Tightening torque for terminals         max         lbin         15           Terminals tool         pz         2           Terminals tool         max         lbin         15           Terminals tool         pz         2           Conductor section         min         mm²         2           AWG/Kcmil         min         mm²         35           AWG/Kcmil         min         min         min         14           max         z         2         2           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20	Operating temperature				
Storage temperature         min max         °C max         -40 max         °C max         +80           Max altitude         m         2000           Mechanical features           Operating position         normal         Vertical plan           Fixing         max         Nm         2         somm DIN rail         Terminals tool         pz 2           Conductor section         IEC         min mm² 2.5         2.5         max mm² 35           AWG/Kcmil         min mm² 2.5         a         AWG/Kcmil         min m² 2.5         a         AWG/Kcmil         min m² 2.5         a         a         AWG/Kcmil         min m² 2.5         a         a         a         AWG/Kcmil         min m² 2.5         a         a         a         a         a         a         a         a         a         a         a         a         a <th colspan<="" td=""><td></td><td>min</td><td>°C</td><td>-35</td></th>	<td></td> <td>min</td> <td>°C</td> <td>-35</td>		min	°C	-35
Max altitude         min max         °C max         -40 max           Mechanical features         Vertical plan           Tightening torque for terminals           Tightening torque for terminals         max max max         Nm max         2 max           Terminals tool         pz 2           Conductor section         IEC         min mm² mm² as         2.5 max           AWG/Kcmil         min max mm² as         35           AWG/Kcmil         min max max         14 max         2           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20		max	°C	+70	
Max altitude         max         °C         +80           Mechanical features           Operating position           Fixing         normal         Vertical plan           Tightening torque for terminals           max         Nm         2           max         lbin         15           Terminals tool         Pz 2           Conductor section         IEC         min         mm²         2.5         max         mm²         35         and	Storage temperature				
Max altitude         m         2000           Mechanical features           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         max         Nm         2           Ight         Pz 2         Conductor section           IEC         min         mm²         2.5           Max         mm²         35           AWG/Kcmil         min         14           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20		min	°C	-40	
Mechanical features           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         max Nm 2 max lbin         15           Terminals tool         Pz 2           Conductor section         min mm² 2.5 max mm² 35           AWG/Kcmil         min mm² 35           AWG/Kcmil         min min mm² 2.2 max mm² 35           Mechanical life         cycles         20000           Weight         g 185           Frontal IP degree         IP20		max	°C	+80	
Operating position           Fixing         35mm DIN rail           Tightening torque for terminals           max         Nm         2           Terminals tool         Pz 2           Conductor section           IEC         min mm² mm² 2.5         2.5           AWG/Kcmil         min mx 2         14           Mechanical life         cycles         20000           Weight         g 185           Frontal IP degree         IP20	Max altitude		m	2000	
Fixing         35mm DIN rail           Tightening torque for terminals           max Nm 2 max Ibin 15           Pz 2           Conductor section           IEC         min mm² 2.5 max mm² 35           AWG/Kcmil         min min 14 max 2           Mechanical life         cycles 20000           Weight         g 185           Frontal IP degree         IP20	Mechanical features				
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         14           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20	Operating position				
Tightening torque for terminals           max max lbin         Nm 2 max lbin         15           Terminals tool         Pz 2           Conductor section         min mm² 2.5 max mm² 35           AWG/Kcmil         min max mm² 35           Mechanical life         cycles 20000           Weight         g 185           Frontal IP degree         IP20		normal		Vertical plan	
Max   Nm   2   max   Ibin   15	Fixing			35mm DIN rail	
max         Ibin         15           Terminals tool         Pz 2           Conductor section           IEC         min mm² ax mm² 35           AWG/Kcmil         min max 2           Mechanical life         cycles 20000           Weight         g 185           Frontal IP degree         IP20	Tightening torque for terminals				
Terminals tool		max	Nm	2	
Conductor section   IEC     min mm²   2.5   max mm²   35		max	Ibin	15	
Frontal IP degree   IEC	Terminals tool			Pz 2	
Mechanical life         min mm² mm² 35         2.5 max mm² 35           Mechanical life         min max 2         14 max 2           Weight         cycles 20000           Frontal IP degree         IP20	Conductor section				
AWG/Kcmil         max         mm²         35           min max         14         2           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20	IEC				
AWG/Kcmil           min max         14 max         2           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20		min	mm²		
min max         14 max           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20		max	mm²	35	
Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20	AWG/Kcmil				
Mechanical lifecycles20000Weightg185Frontal IP degreeIP20		min		14	
Weight g 185 Frontal IP degree IP20		max		2	
Frontal IP degree IP20	Mechanical life		cycles	20000	
Frontal IP degree IP20	Weight		g	185	
Pollution degree 2	Frontal IP degree			IP20	
	Pollution degree			2	

#### **Dimensions**



### Wiring diagrams



## Certifications and compliance

Compliance



### P1RD2P40AC300

RESIDUAL CURRENT OPERATED CIRCUIT BREAKER, 2 MODULES, 2P - TYPE AC, 40A, 300MA

IEC/EN/BS 61008-1

Certifications

EAC

TÜV-Rheinland

ETIM classification

ETIM 8.0

EC000003 -Residual current circuit breaker (RCCB)