

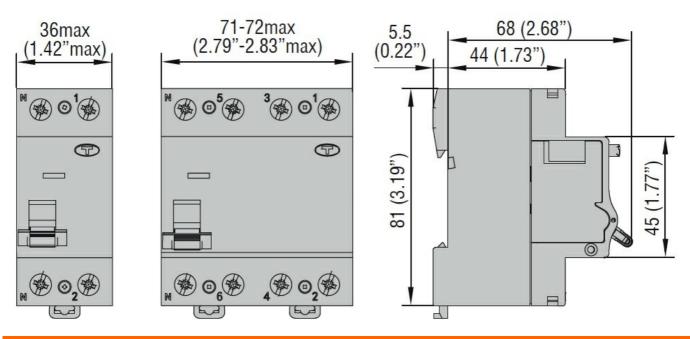
# RESIDUAL CURRENT OPERATED CIRCUIT BREAKER, 2 MODULES, 2P - TYPE AC, 25A, 300MA



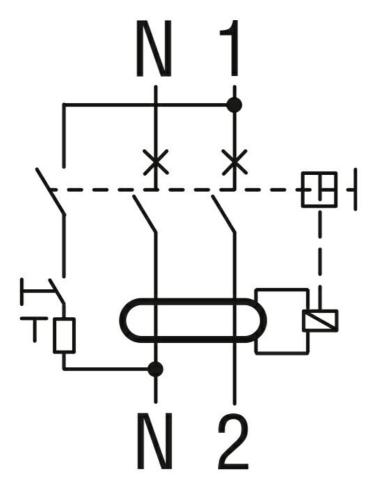
Product type designation         P1RD           Number of poles         2P           Number of DIN modules         2           Compliance         IEC           Electrical features         IEC           Rated insulation voltage UI IEC/EN         V         400           Rated insulation voltage Uirip         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated current (In)         A         25           Rated current (In)         A         25           Rated current (In)         KA         10           Rated current (In)         KA         10           Short circuit rating (IEC)         KA         10           Short circuit file         max         "C         *35           Rated conditions         "C         *40         **           Operating temperature         min         "C         *40         **           Storage temperature         min         "C         *40         **         **	Product designation			Residual current circuit breakers (RCCB)
Number of DIN modules	Product type designation			P1RD
Compliance   IEC   Electrical I features   IEC	·			
Electrical features         V         400           Rated insulation voltage Uirpp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated operational voltage AC (IEC)         VAC         230           Rated drequency         Hz         50/60           Rated current (In)         A         25           Residual operation characteristic         AC         AC           Rated residual current         mA         300           Short circuit rating (IEC)         kA         10           Storage terminate (IEC)         kA         10           Rated conditional short-circuit current (Inc)         kA         10           Electrical life         cycles         10000           Ambient conditions         Total conditions         Total conditions           Operating temperature         min         °C         -35           Max altitude         m         200         40           Max altitude         m         2000           Mechanical features         morral         Vertical plan           Fixing         35mm DIN rail           Fixing         normal         Vertical plan           Fixing         max         Nm	Number of DIN modules			
Rated insulation voltage Ui IEC/EN         V         400           Rated impulse withstand voltage Uimp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated operational voltage AC (IEC)         b         25           Rated frequency         A         25           Rated current (In)         A         300           Residual operation characteristic         KA         10           Residual current         KA         10           Rated conditional short-circuit current (Inc)         kA         10           Rated conditional short-circuit current (Inc)         kA         10           Poperating lemperature           In minimal short-circuit current (Inc)         minimal short-circuit current (Inc)         a         35         35         1000         10	<u> </u>			IEC
Rated impulse withstand voltage Uimp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated requency         Hz         50060           Rated current (In)         A         25           Residual operation characteristic         AC         AC           Rated residual current         MA         300           Short circuit rating (IEC)         kA         10           Rated conditional short-circuit current (Inc)         kA         10           Rated conditional short-circuit current (Inc)         kA         10           Coperating temperature           Image: Storage temperature         min         °C         -35           Mechanical features           Operating position           Image: Storage temperature         min         °C         -40           Mechanical features           Operating position           Image: Storage temperature         morrial         Vertical plan           Fixing         max         Nm         2           Temperature         max         Nm         2           Image: Storage temperature         max				
Rated operational voltage AC (IEC)				
Rated frequency         Hz         50/60           Rated current (In)         A         25           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         min         °C         -35           Operating temperature         min         °C         -40           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         lbin         15           Terminals tool         pz 2         Conductor section           IEC         min         mm²         2.5           AWG/Kcmil         min         mm²         2.5           AWG/Kcmil         min         mm²         2.5           Mechanical life         cycles         20000				
Rated current (In)         A         25           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 explain the cycles         10000           Ambient conditions         To explain the cycles         35           Operating temperature         min         °C         -35           Storage temperature         min         °C         -40           Max altitude         max         °C         +40           Mechanical features         min         °C         -40           Operating position         normal         Vertical plan           Fixing         35mm DIN rail         Tip           Fixing         max         Nm         2           max         Ibin         15           Terminals tool         max         Ibin         15           Terminals tool         min         mm         25           AWG/Kcmil         min         mm         25				
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           Fixing         35mm DIN rail           Tightening torque for terminals         max         Nm         2           Terminals tool         pz 2           Conductor section         min         mm²         2.5           AWG/Kcmil         min         mm²         2.5           AWG/Kcmil         min         min         min         14           Mechanical life         cycle         20000           Weight         p         185				
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         -40           max         °C         +80           Mechanical features           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals           max         Nm         2           Terminals tool         pz 2           Conductor section           IEC           min         mm²         2.5           max         mm²         2.5           AWG/Kcmil         min         mm²         2.5           AWG/Kcmil         min         min         mm²         2.5           Mechanical life         cycles         20000           Weight         p	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           min         °C         -40 max         °C         +80           Max altitude         m         2000         -80	·			AC
Rated conditional short-circuit current (Inc)         kA cycles         10000           Ambient conditions         Value of the product of the	Rated residual current		mΑ	300
Electrical life         cycles         10000           Ambient conditions         To perating temperature           min °C c -35 max °C +70           Storage temperature           min °C c -40 max °C +80           Max altitude         m 2000           Mechanical features           Operating position           Fixing         35mm DIN rail           Tightening torque for terminals         max Nm 2 max lbin 15           Terminals tool         p2 2           Conductor section         P2 2           Conductor section         min mm² 35         25 max mm² 35           AWG/Kcmil         min mm² mm² 2         2.5 max mm² 35           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 max or C or 470           Storage temperature         min or C or 440 max or C or 480           Max altitude         m or 2000           Mechanical features         Vertical plan or 180           Fixing         mormal or 180           Tightening torque for terminals         max or Nm or 2 max or 180           Terminals tool         p. 2.5           Conductor section         IEC           Min or min or max	Rated conditional short-circuit current (Inc)		kA	10
Min	Electrical life		cycles	10000
Min	Ambient conditions			
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           Tightening torque for terminals         max         lbin         15           Terminals tool         pz 2         2           Conductor section         Fex         pz 2           IEC         min         mm²         2.5           max         mm²         35           AWG/Kcmil         min         max         2           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20	Operating temperature			
Storage temperature         min max occorded with a color of the c		min	°C	-35
Max altitude         min max         °C +40 +80           Max altitude         m 2000           Mechanical features           Operating position           Fixing         Vertical plan           Tightening torque for terminals         max         Nm         2           Terminals tool         max         lbin         15           Terminals tool         pz 2           Conductor section         min         mm²         2.5           AWG/Kcmil         min         mm²         35           AWG/Kcmil         min         14         max         2           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20		max	°C	+70
Max altitude         max         °C         +80           Mechanical features         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         max         Nm         2           Terminals tool         pz 2           Conductor section         IEC         min         mm²         2.5           Max         mm²         35           AWG/Kcmil         min         max         max         2           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20	Storage temperature			
Max altitude         m         2000           Mechanical features           Operating position           Fixing         35mm DIN rail           Tightening torque for terminals         max         Nm         2           Terminals tool         pz 2           Conductor section         IEC         min         mm²         2.5           Max         mm²         3.5           AWG/Kcmil         min         mm²         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           Terminals tool         Pz 2           Conductor section         min         mm²         2           Mechanical life         min         mm²         35           Mechanical life         cycles         20000           Weight         g         185           Frontal IP degree         IP20         IP20		max	°C	+80
Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals           max         Nm         2           Terminals tool         Pz 2           Conductor section         IEC         min mm² 2.5         2.5         mmx         35         AWG/Kcmil         min mx         14         max         2         Mechanical life         cycles         20000         Weight         g         185	Max altitude		m	2000
Fixing         Journal of Normal         Vertical plan           Tightening torque for terminals         max         Nm         2           Terminals tool         Pz 2           Conductor section         IEC         min         mm²         2.5           Max         mm²         35           AWG/Kcmil         min         nm²         14           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         2 Pz 2           Terminals tool         Pz 2           Conductor section         IEC         min mm² mm² 2.5 max mm² 35           AWG/Kcmil         min min 14 max 2           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		normal		Vertical plan
Max   Nm   2   max   lbin   15	Fixing			35mm DIN rail
max         Ibin         15           Terminals tool         Pz 2           Conductor section           IEC         min mm² 2.5 max 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 mm² 35   min max 2   min max 3   min max 3		max	lbin	15
Frontal IP degree   IEC	Terminals tool			Pz 2
Mechanical life         min mx mx         mm² 35           Mechanical life         cycles         20000           Weight         g         185           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		
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



**ENERGY AND AUTOMATION** 

### P1RD2P25AC300

RESIDUAL CURRENT OPERATED CIRCUIT BREAKER, 2 MODULES, 2P - TYPE AC, 25A, 300MA

IEC/EN/BS 61008-1

Certifications

EAC

TÜV-Rheinland

ETIM classification

ETIM 8.0

EC000003 -Residual current circuit breaker (RCCB)