

Residual current circuit breakers FPR, FPR-1

FPR

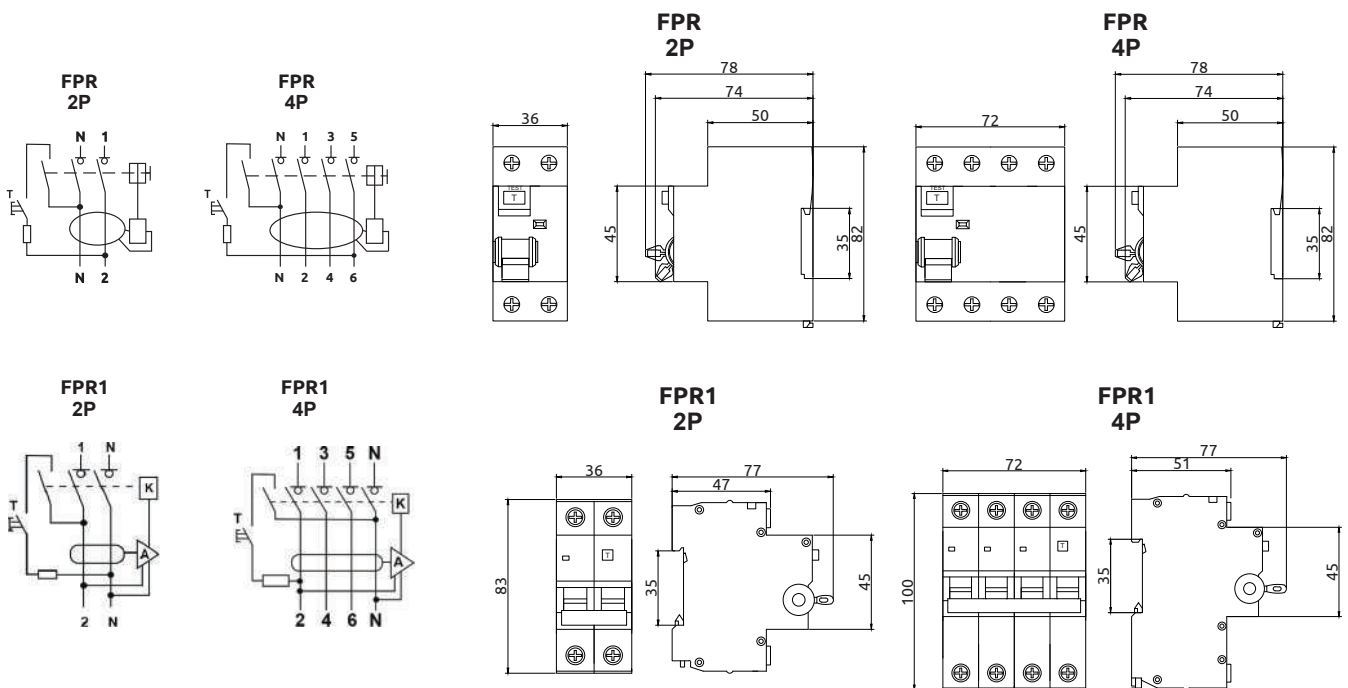


Technical specifications

Series	FPR-A	FPR-AC	FPR1
Standards	IEC 61008-1, EN 61008-1		
Number of poles	2P, 4P		
Rated current I_n , A	10, 16, 20, 25, 32, 40, 50, 63, 80, 100		10, 16, 20, 25, 32, 40, 50, 63
Rated voltage of the insulation U_i , V	500		
Rated impulse withstand voltage U_{imp} , V	4000		
Leakage current $I_{\Delta n}$, mA	30, 100, 300		30
Rated voltage U_n , V	~230/400		~230
Application category	A	AC	
Limit switching capacity I_{cn} , A	10 000		6 000
Rated frequency f , Hz	50/60		
Selectivity class	3		
Instantaneous shutdown duration, s	≤ 0.1		
Switching wear resistance (number of cycles on/off)	4 000/20 000 (electrical/mechanical)		4 000/10 000 (electrical/mechanical)
Cross-section of connecting conductors, mm ²	up to 25		
Type of differential protection	electromechanical		electronic
Degree of protection	IP20		
DIN rail mounting	TN35		
Connecting of busbar	PIN/FORK		PIN
Connecting of additional devices	no		
Operating position	any		
Sealing option ON/OFF	yes		

Schematic diagrams

Overall dimensions



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Type A

2P



Order code	Full name of	Rated current In, A	Packaging, pcs		Gross weight, kg	
			Packaging	Box	Unit	Packaging Box
FPR2010030A	Residual current circuit breaker FPR-A 10A/0,03A 2P A 10kA	10	1	100	0,215	0,215 21,500
FPR2010100A	Residual current circuit breaker FPR-A 10A/0,1A 2P A 10kA	10	1	100	0,215	0,215 21,500
FPR2010300A	Residual current circuit breaker FPR-A 10A/0,3A 2P A 10kA	10	1	100	0,215	0,215 21,500
FPR2016030A	Residual current circuit breaker FPR-A 16A/0,03A 2P A 10kA	16	1	100	0,215	0,215 21,500
FPR2016100A	Residual current circuit breaker FPR-A 16A/0,1A 2P A 10kA	16	1	100	0,215	0,215 21,500
FPR2016300A	Residual current circuit breaker FPR-A 16A/0,3A 2P A 10kA	16	1	100	0,215	0,215 21,500
FPR2020030A	Residual current circuit breaker FPR-A 20A/0,03A 2P A 10kA	20	1	100	0,216	0,216 21,600
FPR2020100A	Residual current circuit breaker FPR-A 20A/0,1A 2P A 10kA	20	1	100	0,216	0,216 21,600
FPR2020300A	Residual current circuit breaker FPR-A 20A/0,3A 2P A 10kA	20	1	100	0,216	0,216 21,600
FPR2025030A	Residual current circuit breaker FPR-A 25A/0,03A 2P A 10kA	25	1	100	0,216	0,216 21,600
FPR2025100A	Residual current circuit breaker FPR-A 25A/0,1A 2P A 10kA	25	1	100	0,216	0,216 21,600
FPR2025300A	Residual current circuit breaker FPR-A 25A/0,3A 2P A 10kA	25	1	100	0,216	0,216 21,600
FPR2032030A	Residual current circuit breaker FPR-A 32A/0,03A 2P A 10kA	32	1	100	0,218	0,218 21,800
FPR2032100A	Residual current circuit breaker FPR-A 32A/0,1A 2P A 10kA	32	1	100	0,218	0,218 21,800
FPR2032300A	Residual current circuit breaker FPR-A 32A/0,3A 2P A 10kA	32	1	100	0,218	0,218 21,800
FPR2040030A	Residual current circuit breaker FPR-A 40A/0,03A 2P A 10kA	40	1	100	0,220	0,220 22,000
FPR2040100A	Residual current circuit breaker FPR-A 40A/0,1A 2P A 10kA	40	1	100	0,220	0,220 22,000
FPR2040300A	Residual current circuit breaker FPR-A 40A/0,3A 2P A 10kA	50	1	100	0,220	0,220 22,000
FPR2050030A	Residual current circuit breaker FPR-A 50A/0,03A 2P A 10kA	50	1	100	0,220	0,220 22,000
FPR2050100A	Residual current circuit breaker FPR-A 50A/0,1A 2P A 10kA	50	1	100	0,220	0,220 22,000
FPR2050300A	Residual current circuit breaker FPR-A 50A/0,3A 2P A 10kA	50	1	100	0,220	0,220 22,000
FPR2063030A	Residual current circuit breaker FPR-A 63A/0,03A 2P A 10kA	63	1	100	0,220	0,220 22,000
FPR2063100A	Residual current circuit breaker FPR-A 63A/0,1A 2P A 10kA	63	1	100	0,220	0,220 22,000
FPR2063300A	Residual current circuit breaker FPR-A 63A/0,3A 2P A 10kA	63	1	100	0,220	0,220 22,000
FPR2080030A	Residual current circuit breaker FPR-A 80A/0,03A 2P A 10kA	80	1	100	0,222	0,222 22,200
FPR2080100A	Residual current circuit breaker FPR-A 80A/0,1A 2P A 10kA	80	1	100	0,222	0,222 22,200
FPR2080300A	Residual current circuit breaker FPR-A 80A/0,3A 2P A 10kA	80	1	100	0,222	0,222 22,200
FPR2100030A	Residual current circuit breaker FPR-A 100A/0,03A 2P A 10kA	100	1	100	0,222	0,222 22,200
FPR2100100A	Residual current circuit breaker FPR-A 100A/0,1A 2P A 10kA	100	1	100	0,222	0,222 22,200
FPR2100300A	Residual current circuit breaker FPR-A 100A/0,3A 2P A 10kA	100	1	100	0,222	0,222 22,200

4P



FPR4010030A	Residual current circuit breaker FPR-A 10A/0,03A 4P A 10kA	10	1	50	0,342	0,342 17,100
FPR4010030A	Residual current circuit breaker FPR-A 10A/0,03A 4P A 10kA	10	1	50	0,342	0,342 17,100
FPR4010300A	Residual current circuit breaker FPR-A 10A/0,3A 4P A 10kA	10	1	50	0,342	0,342 17,100
FPR4016030A	Residual current circuit breaker FPR-A 16A/0,03A 4P A 10kA	16	1	50	0,342	0,342 17,100
FPR4016100A	Residual current circuit breaker FPR-A 16A/0,1A 4P A 10kA	16	1	50	0,342	0,342 17,100
FPR4016300A	Residual current circuit breaker FPR-A 16A/0,3A 4P A 10kA	16	1	50	0,342	0,342 17,100
FPR4020030A	Residual current circuit breaker FPR-A 20A/0,03A 4P A 10kA	20	1	50	0,350	0,350 17,500
FPR4020100A	Residual current circuit breaker FPR-A 20A/0,1A 4P A 10kA	20	1	50	0,350	0,350 17,500
FPR4020300A	Residual current circuit breaker FPR-A 20A/0,3A 4P A 10kA	20	1	50	0,350	0,350 17,500
FPR4025030A	Residual current circuit breaker FPR-A 25A/0,03A 4P A 10kA	25	1	50	0,357	0,357 17,850
FPR4025100A	Residual current circuit breaker FPR-A 25A/0,1A 4P A 10kA	25	1	50	0,357	0,357 17,850
FPR4025300A	Residual current circuit breaker FPR-A 25A/0,3A 4P A 10kA	25	1	50	0,357	0,357 17,850
FPR4032030	Residual current circuit breaker FPR-A 32A/0,03A 4P A 10kA	32	1	50	0,362	0,362 18,100
FPR4032100A	Residual current circuit breaker FPR-A 32A/0,1A 4P A 10kA	32	1	50	0,362	0,362 18,100
FPR4032300A	Residual current circuit breaker FPR-A 32A/0,3A 4P A 10kA	32	1	50	0,362	0,362 18,100
FPR4040030A	Residual current circuit breaker FPR-A 40A/0,03A 4P A 10kA	40	1	50	0,368	0,368 18,400
FPR4040100A	Residual current circuit breaker FPR-A 40A/0,1A 4P A 10kA	40	1	50	0,368	0,368 18,400
FPR4040300A	Residual current circuit breaker FPR-A 40A/0,3A 4P A 10kA	50	1	50	0,368	0,368 18,400
FPR4050030A	Residual current circuit breaker FPR-A 50A/0,03A 4P A 10kA	50	1	50	0,372	0,372 18,600
FPR4050100A	Residual current circuit breaker FPR-A 50A/0,1A 4P A 10kA	50	1	50	0,372	0,372 18,600
FPR4050300A	Residual current circuit breaker FPR-A 50A/0,3A 4P A 10kA	50	1	50	0,372	0,372 18,600
FPR4063030A	Residual current circuit breaker FPR-A 63A/0,03A 4P A 10kA	63	1	50	0,372	0,372 18,600
FPR4063100A	Residual current circuit breaker FPR-A 63A/0,1A 4P A 10kA	63	1	50	0,372	0,372 18,600
FPR4063300A	Residual current circuit breaker FPR-A 63A/0,3A 4P A 10kA	63	1	50	0,372	0,372 18,600
FPR4080030A	Residual current circuit breaker FPR-A 80A/0,03A 4P A 10kA	80	1	50	0,390	0,390 19,500
FPR4080100A	Residual current circuit breaker FPR-A 80A/0,1A 4P A 10kA	80	1	50	0,390	0,390 19,500
FPR4080300A	Residual current circuit breaker FPR-A 80A/0,3A 4P A 10kA	80	1	50	0,390	0,390 19,500
FPR4100030A	Residual current circuit breaker FPR-A 100A/0,03A 4P A 10kA	100	1	50	0,395	0,395 19,750
FPR4100100A	Residual current circuit breaker FPR-A 100A/0,1A 4P A 10kA	100	1	50	0,395	0,395 19,750
FPR4100300A	Residual current circuit breaker FPR-A 100A/0,3A 4P A 10kA	100	1	50	0,395	0,395 19,750