

# 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 <sup>2</sup>	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



