

FPR protection trip relay

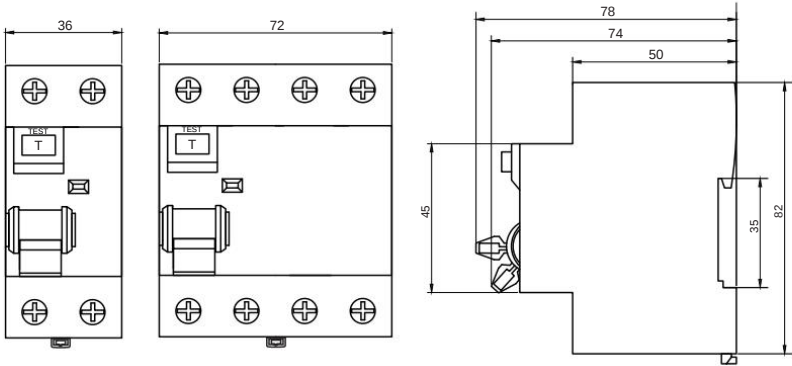
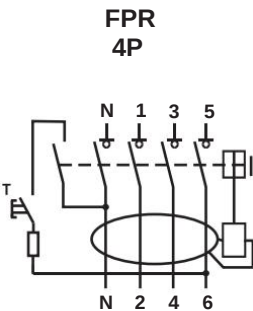
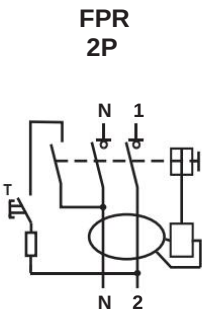
FPR



Technical characteristics

Type	FPR-A	FPR-AC
Compliance with the standard	IEC 61008-1, EN 61008-1	
Number of poles Nominal	2P, 4P	
current In, γ Nominal insulation	10, 16, 20, 25, 32, 40, 50, 63, 80, 100 500	
voltage Uγ, V Nominal impulse voltage Uγmp, V Leakage current γγn, mA Nominal voltage Un, V	4000	
Application category Limit	30, 100, 300	
switching capacity Icn, γ Nominal	~230/400	
frequency f, Hz Selective class	AND	AC
	10,000	
	50/60	
	3	
Duration of instantaneous disconnection, s Switching	γ 0.1	
wear resistance (number of on/off cycles) Cross-section of connected	4,000/20,000 (electrical/mechanical) to 25	
conductors, mm² Type of differential protection Degree of protection Mounting on DIN rail	electromechanical	
Connection by comb	IP20	
bus Connection of additional	35γ7.5	
devices Working position	PIN/FORK	
	not any	
The possibility of ON/OFF sealing	Yes	

Schematic diagrams



Overall dimensions of the FPR



FPR protection trip relay

AC type
2P



Code order	Full name	Nominal current In, A	Packaging, pcs		Gross weight, kg	
			Packaging Box	Unit	Packaging Box	Unit
FPR2010030AC	Protective shutdown relay FPR-AC 10A/0.03A 2P AC	10	1	100	0.215	0.215 21.500
FPR2016030AC	Protective shutdown relay FPR-AC 16A/0.03A 2P AC	16	1	100	0.215	0.215 21.500
FPR2016100AC	Protective shutdown relay FPR-AC 16A/0.1A 2P AC	16	1	100	0.215	0.215 21.500
FPR2016300AC	Protective shutdown relay FPR-AC 16A/0.3A 2P AC	16	1	100	0.220	0.220 22.000
FPR2020030AC	Protective shutdown relay FPR-AC 20A/0.03A 2P AC	20	1	100	0.216	0.216 21.600
FPR2020100AC	Protective shutdown relay FPR-AC 20A/0.1A 2P AC	20	1	100	0.222	0.222 22.200
FPR2020300AC	Protective shutdown relay FPR-AC 20A/0.3A 2P AC	20	1	100	0.216	0.216 21.600
FPR2025030AC	Protective shutdown relay FPR-AC 25A/0.03A 2P AC	25	1	100	0.218	0.218 21.800
FPR2025100AC	Protective shutdown relay FPR-AC 25A/0.1A 2P AC	25	1	100	0.218	0.218 21.800
FPR2025300AC	Protective shutdown relay FPR-AC 25A/0.3A 2P AC	25	1	100	0.218	0.218 21.800
FPR2032030AC	Protective shutdown relay FPR-AC 32A/0.03A 2P AC	32	1	100	0.218	0.218 21.800
FPR2032100AC	Protective shutdown relay FPR-AC 32A/0.1A 2P AC	32	1	100	0.218	0.218 21.800
FPR2032300AC	Protective shutdown relay FPR-AC 32A/0.3A 2P AC	32	1	100	0.218	0.218 21.800
FPR2040030AC	Protective shutdown relay FPR-AC 40A/0.03A 2P AC	40	1	100	0.220	0.220 22.000
FPR2040100AC	Protective shutdown relay FPR-AC 40A/0.1A 2P AC	40	1	100	0.220	0.220 22.000
FPR2040300AC	Protective shutdown relay FPR-AC 40A/0.3A 2P AC	40	1	100	0.220	0.220 22.000
FPR2050030AC	Protective shutdown relay FPR-AC 50A/0.03A 2P AC	50	1	100	0.220	0.220 0.000
FPR2050100AC	Protective shutdown relay FPR-AC 50A/0.1A 2P AC	50	1	100	0.368	0.368 36.800
FPR2050300AC	Protective shutdown relay FPR-AC 50A/0.3A 2P AC	50	1	100	0.368	0.368 36.800
FPR2063030AC	Protective shutdown relay FPR-AC 63A/0.03A 2P AC	63	1	100	0.220	0.220 22.000
FPR2063100AC	Protective shutdown relay FPR-AC 63A/0.1A 2P AC	63	1	100	0.220	0.220 22.000
FPR2063300AC	Protective shutdown relay FPR-AC 63A/0.3A 2P AC	63	1	100	0.220	0.220 22.000
FPR2080030AC	Protective shutdown relay FPR-AC 80A/0.03A 2P AC	80	1	100	0.222	0.222 22.200
FPR2080100AC	Protective shutdown relay FPR-AC 80A/0.1A 2P AC	80	1	100	0.222	0.222 22.200
FPR2080300AC	Protective shutdown relay FPR-AC 80A/0.3A 2P AC	80	1	100	0.222	0.222 22.200
FPR2100030AC	Protective shutdown relay FPR-AC 100A/0.03A 2P AC	100	1	100	0.222	0.222 22.200
FPR2100100AC	Protective shutdown relay FPR-AC 100A/0.1A 2P AC	100	1	100	0.222	0.222 22.200
FPR2100300AC	Protective disconnection relay FPR-AC 100A/0.3A 2P AC 100		1	100	0.222	0.222 22.200

4R



FPR4010030AC	Protective shutdown relay FPR-AC 10A/0.03A 4P AC	10	1	50	0.342	0.342 17.100
FPR4010300AC	Protective shutdown relay FPR-AC 10A/0.3A 4P AC	10	1	50	0.342	0.342 17.100
FPR4016010AC	Protective shutdown relay FPR-AC 16A/0.01A 4P AC	16	1	50	0.342	0.342 17.100
FPR4016030AC	Protective shutdown relay FPR-AC 16A/0.03A 4P AC	16	1	50	0.342	0.342 17.100
FPR4016100AC	Protective shutdown relay FPR-AC 16A/0.1A 4P AC	16	1	50	0.342	0.342 17.100
FPR4016300AC	Protective shutdown relay FPR-AC 16A/0.3A 4P AC	16	1	50	0.342	0.342 17.100
FPR4020030AC	Protective shutdown relay FPR-AC 20A/0.03A 4P AC	20	1	50	0.350	0.350 17.500
FPR4020100AC	Protective shutdown relay FPR-AC 20A/0.1A 4P AC	20	1	50	0.350	0.350 17.500
FPR4020300AC	Protective shutdown relay FPR-AC 20A/0.3A 4P AC	20	1	50	0.350	0.350 17.500
FPR4025030AC	Protective shutdown relay FPR-AC 25A/0.03A 4P AC	25	1	50	0.357	0.357 17.850
FPR4025100AC	Protective shutdown relay FPR-AC 25A/0.1A 4P AC	25	1	50	0.357	0.357 17.850
FPR4025300AC	Protective shutdown relay FPR-AC 25A/0.3A 4P AC	25	1	50	0.357	0.357 17.850
FPR4032030AC	Protective shutdown relay FPR-AC 32A/0.03A 4P AC	32	1	50	0.362	0.362 18.100
FPR4032100AC	Protective shutdown relay FPR-AC 32A/0.1A 4P AC	32	1	50	0.362	0.362 18.100
FPR4032300AC	Protective shutdown relay FPR-AC 32A/0.3A 4P AC	32	1	50	0.368	0.368 18.400
FPR4040030AC	Protective shutdown relay FPR-AC 40A/0.03A 4P AC	40	1	50	0.368	0.368 18.400
FPR4040100AC	Protective shutdown relay FPR-AC 40A/0.1A 4P AC	40	1	50	0.368	0.368 18.400
FPR4040300AC	Protective shutdown relay FPR-AC 40A/0.3A 4P AC	40	1	50	0.368	0.368 18.400
FPR4050030AC	Protective shutdown relay FPR-AC 50A/0.03A 4P AC	50	1	50	0.368	0.368 0.000
FPR4050100AC	Protective shutdown relay FPR-AC 50A/0.1A 4P AC	50	1	50	0.368	0.368 18.400
FPR4050300AC	Protective shutdown relay FPR-AC 50A/0.3A 4P AC	50	1	50	0.368	0.368 18.400
FPR4063030AC	Protective shutdown relay FPR-AC 63A/0.03A 4P AC	63	1	50	0.372	0.372 18.600
FPR4063100AC	Protective shutdown relay FPR-AC 63A/0.1A 4P AC	63	1	50	0.372	0.372 18.600
FPR4063300AC	Protective shutdown relay FPR-AC 63A/0.3A 4P AC	63	1	50	0.372	0.372 18.600
FPR4080030AC	Protective shutdown relay FPR-AC 80A/0.03A 4P AC	80	1	50	0.390	0.390 19.500
FPR4080100AC	Protective shutdown relay FPR-AC 80A/0.1A 4P AC	80	1	50	0.390	0.390 19.500
FPR4080300AC	Protective shutdown relay FPR-AC 80A/0.3A 4P AC	80	1	50	0.390	0.390 19.500
FPR4100030AC	Protective shutdown relay FPR-AC 100A/0.03A 4P AC	100	1	50	0.395	0.395 19.750
FPR4100100AC	Protective shutdown relay FPR-AC 100A/0.1A 4P AC	100	1	50	0.395	0.395 19.750
FPR4100300AC	Protective disconnection relay FPR-AC 100A/0.3A 4P AC 100		1	50	0.395	0.395 19.750

FPR

FPR protection trip relay

Type A
2P

FPR



Code order	Full name	Nominal current In, A	Packaging, pcs		Gross weight, kg		
			Packaging Box		Unit Packaging Box		
FPR2010030A	Protective shutdown relay FPR-A 10A/0.03A 2P A Protective	10	1	100	0.215	0.215	21,500
FPR2010100A	shutdown relay FPR-A 10A/0.1A 2P A Protective shutdown	10	1	100	0.215	0.215	21,500
FPR2010300A	relay FPR-A 10A/0.3A 2P A Protective shutdown relay FPR-A	10	1	100	0.215	0.215	21,500
FPR2016030A	16A/0.03A 2P A Protective shutdown relay FPR-A 16A/0.1A 2P	16	1	100	0.215	0.215	21,500
FPR2016100A	A Protective shutdown relay FPR-A 16A/0.3A 2P A Protective	16	1	100	0.215	0.215	21,500
FPR2016300A	shutdown relay FPR-A 20A/0.03A 2P A Protective shutdown	16	1	100	0.215	0.215	21,500
FPR2020030A	relay FPR-A 20A/0.1A 2P A Protective shutdown relay FPR-A	20	1	100	0.216	0.215	21,600
FPR2020100A	20A/0.3A 2P A Protective shutdown relay FPR-A 25A/0.03A	20	1	100	0.218	0.215	21,800
FPR2020300A	2P A Protective shutdown relay FPR-A 25y/0.1A 2P y	20	1	100	0.216	0.215	21,600
FPR2025030A	Protective shutdown relay FPR-A 25y/0.3A 2P y Protective	25	1	100	0.218	0.215	21,800
FPR2025100A	shutdown relay FPR-A 32y/0.03A 2P y Protective shutdown	25	1	100	0.218	0.215	21,800
FPR2025300A	relay FPR-A 32y/0.1A 2P A Protective disconnection relay	25	1	100	0.218	0.215	21,800
FPR2032030A	FPR-A 32A/0.3A 2P A Relay protective disconnection relay FPR-	32	1	100	0.218	0.215	21,800
FPR2032100A	A 40y/0.03A 2P y Protective disconnection relay FPR-A 40y/	32	1	100	0.218	0.215	21,800
FPR2032300A	0.1A 2P y Protective disconnection relay FPR-A 40y/0.3A 2P	32	1	100	0.218	0.215	21,800
FPR2040030A	y Protective disconnection relay FPR-A 50y/0.03A 2P A Relay	40	1	100	0.220	0.215	22,000
FPR2040100A	for protective disconnection FPR-A 50A/0.1A 2P A Relay	40	1	100	0.220	0.215	22,000
FPR2040300A	protective disconnection relay FPR-A 50y/0.3A 2P A Protective	50	1	100	0.220	0.215	22,000
FPR2050030A	disconnection relay FPR-A 63y/0.03A 2P A Protective	50	1	100	0.220	0.215	22,000
FPR2050100A	disconnection relay FPR-A 63y/0.1A 2P A Protective	50	1	100	0.220	0.215	22,000
FPR2050300A	disconnection relay FPR-A 63y/0.3A 2P A Protective shutdown	50	1	100	0.220	0.215	22,000
FPR2063030A	relay FPR-A 80A/0.03A 2P A Relay protective disconnection	63	1	100	0.220	0.215	22,000
FPR2063100A	FPR-A 80A/0.1A 2P A Protective disconnection relay FPR-A	63	1	100	0.220	0.215	22,000
FPR2063300A	80A/0.3A 2P A Protective disconnection relay FPR-A 100y/	63	1	100	0.220	0.215	22,000
FPR2080030A	0.03A 2P A Protective disconnection relay FPR-A 100y/0.1y 2P	80	1	100	0.222	0.215	22,200
FPR2080100A	AND	80	1	100	0.222	0.215	22,200
FPR2080300A		80	1	100	0.222	0.215	22,200
FPR2100030A		100	1	100	0.222	0.215	22,200
FPR2100100A		100	1	100	0.222	0.215	22,200
FPR2100300A	Protective shutdown relay FPR-A 100A/0.3A 2P A	100	1	100	0.222	0.215	22,200

4R



FPR4010030A	Protective shutdown relay FPR-A 10A/0.03A 4P A Protective	10	1	50	0.342	0.342	17,100
FPR4010030A	shutdown relay FPR-A 10A/0.03A 4P A	10	1	50	0.342	0.342	17,100
FPR4010300A	Protective shutdown relay FPR-A 10A/0.3A 4P A	10	1	50	0.342	0.342	17,100
FPR4016030A	Protective shutdown relay FPR-A 16A/0.03A 4P A	16	1	50	0.342	0.342	17,100
FPR4016100A	Protective shutdown relay FPR-A 16A/0.1A 4P A	16	1	50	0.342	0.342	17,100
FPR4016300A	Protective shutdown relay FPR-A 16A/0.3A 4P A	16	1	50	0.342	0.342	17,100
FPR4020030A	Protective shutdown relay FPR-A 20A/0.03A 4P A	20	1	50	0.350	0.350	17,500
FPR4020100A	Protective shutdown relay FPR-A 20A/0.1A 4P A	20	1	50	0.357	0.357	17,850
FPR4020300A	Protective shutdown relay FPR-A 20A/0.3A 4P A	20	1	50	0.350	0.350	17,500
FPR4025030A	Protective shutdown relay FPR-A 25A/0.03A 4P A	25	1	50	0.357	0.357	17,850
FPR4025100A	Protective shutdown relay FPR-A 25A/0.1A 4P A	25	1	50	0.357	0.357	17,850
FPR4025300A	Protective shutdown relay FPR-A 25A/0.3A 4P A	25	1	50	0.357	0.357	17,850
FPR4032030A	Protective shutdown relay FPR-A 32A/0.03A 4P A	32	1	50	0.362	0.362	18,100
FPR4032100A	Protective shutdown relay FPR-A 32A/0.1A 4P A	32	1	50	0.362	0.362	18,100
FPR4032300A	Protective shutdown relay FPR-A 32A/0.3A 4P A	32	1	50	0.362	0.362	18,100
FPR4040030A	Protective shutdown relay FPR-A 40A/0.03A 4P A	40	1	50	0.368	0.368	18,400
FPR4040100A	Protective shutdown relay FPR-A 40A/0.1A 4P A	40	1	50	0.368	0.368	18,400
FPR4040300A	Protective shutdown relay FPR-A 40A/0.3A 4P A	50	1	50	0.368	0.368	18,400
FPR4050030A	Protective shutdown relay FPR-A 50A/0.03A 4P A	50	1	50	0.372	0.372	18,600
FPR4050100A	Protective shutdown relay FPR-A 50A/0.1A 4P A	50	1	50	0.372	0.372	18,600
FPR4050300A	Protective shutdown relay FPR-A 50A/0.3A 4P A	50	1	50	0.372	0.372	18,600
FPR4063030A	Protective shutdown relay FPR-A 63A/0.03A 4P A	63	1	50	0.372	0.372	18,600
FPR4063100A	Protective shutdown relay FPR-A 63A/0.1A 4P A	63	1	50	0.372	0.372	18,600
FPR4063300A	Protective shutdown relay FPR-A 63A/0.3A 4P A	63	1	50	0.372	0.372	18,600
FPR4080030A	Protective shutdown relay FPR-A 80A/0.03A 4P A	80	1	50	0.390	0.390	19,500
FPR4080100A	Protective shutdown relay FPR-A 80A/0.1A 4P A	80	1	50	0.390	0.390	19,500
FPR4080300A	Protective shutdown relay FPR-A 80A/0.3A 4P A	80	1	50	0.390	0.390	19,500
FPR4100030A	Protective shutdown relay FPR-A 100A/0.03A 4P A	100	1	50	0.395	0.395	19,750
FPR4100100A	Protective shutdown relay FPR-A 100A/0.1A 4P A	100	1	50	0.395	0.395	19,750
FPR4100300A	Protective shutdown relay FPR-A 100A/0.3A 4P A	100	1	50	0.395	0.395	19,750