

## Residual Current Circuit Breakers

### Series FP



**BS EN 61008**

**Type AC**



**Type A**



**Type S**



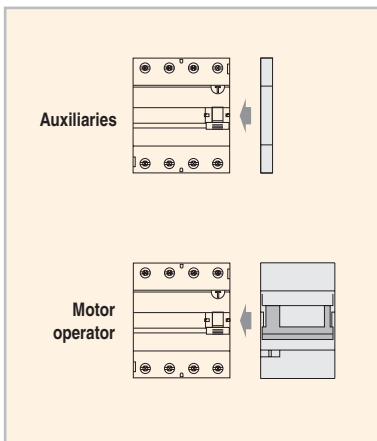
### Applications



### Approval / Marking



### Add-on devices



**Add-on devices**

- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel board switch ● pg C.6
- Motor operator ● pg C.8

- Busbars ● pg E.1
- Dimensions ● pg B.18

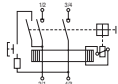
### Performance

<b>Thermal setting I<sub>n</sub></b>	(A) 16, 25, 40, 63, 80, 100
<b>Residual current I<sub>Δn</sub></b>	(mA) 10, 30, 100, 300, 500, 1000
<b>Rated voltage AC U<sub>n</sub></b>	(V) 2P: 240 4P: 240/415
<b>Minimum operating voltage U<sub>Bmin</sub></b>	(V) 2P: 117 4P: 190
<b>Mechanical/electrical endurance</b>	20000/10000
<b>Tropicalisation acc.to IEC 60068-2-28/2-30 and DIN 40046</b>	95%RH at 55°C
<b>Terminal capacity flexible/rigid cable (mm<sup>2</sup>)</b>	35-50
<b>Poles</b>	2, 4
<b>Nuisance tripping resistance</b>	Type A, AC: 250A 8/20μs; 200A 0.5μs - 100kHz Type S: 3000A 8/20μs
<b>Ambient temperature</b>	(°C) Type AC: -5 upto 40 Type A: -25 upto 40
<b>Weight</b>	(g) 2P: 220 4P: 385

### Short-circuit capacity

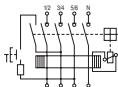
Acc. to BS EN 61008	
<b>Making and breaking capacity</b>	I <sub>m</sub> =500A
<b>Residual making and breaking capacity</b>	I <sub>Δm</sub> ≥500A from 16 upto 40A I <sub>Δm</sub> =10I <sub>n</sub> from 63 upto 100A
<b>Short-circuit capacity</b>	I <sub>cn</sub> =10000A at 230/400V fuse 80A gG

### Series FP - Type AC



2P

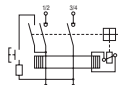
In (A)	10*/30mA		100mA		300mA		500mA		Pack.
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
16	FP 216/010*	604048							
25	FP 225/030	604275	FP 225/100	604050	FP 225/300	604051	FP 225/500	604052	1
40	FP 240/030	604276	FP 240/100	604055	FP 240/300	604056	FP 240/500	604057	1
63	FP 263/030	604277	FP 263/100	604060	FP 263/300	604061	FP 263/500	604062	1
80	FP 280/030	604278	FP 280/100	604065	FP 280/300	604066	FP 280/500	604067	1
100	FP 2100/030	604069	FP 2100/100	604070	FP 2100/300	604071	FP 2100/500	604072	1
							<b>1000mA</b>		
25							FP 225/1000	604053	1
40							FP 240/1000	604058	1
63							FP 263/1000	604063	1
80							FP 280/1000	604068	1
100							FP 2100/1000	604073	1



4P

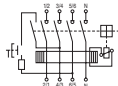
In (A)	30mA		100mA		300mA		500mA		Pack.
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
25	FP 425/030	604279	FP 425/100	604144	FP 425/300	604280	FP 425/500	604146	1
40	FP 440/030	604281	FP 440/100	604149	FP 440/300	604282	FP 440/500	604151	1
63	FP 463/030	604283	FP 463/100	604154	FP 463/300	604284	FP 463/500	604156	1
80	FP 480/030	604158	FP 480/100	604159	FP 480/300	604160	FP 480/500	604161	1
100	FP 4100/030	604163	FP 4100/100	604164	FP 4100/300	604165	FP 4100/500	604166	1
							<b>1000mA</b>		
25							FP 425/1000	604147	1
40							FP 440/1000	604152	1
63							FP 463/1000	604157	1
80							FP 480/1000	604162	1
100							FP 4100/1000	604167	1

### Series FP - Type A



2P

In (A)	10*/30mA		100mA		300mA		500mA		Pack.
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
16	FPA 216/010*	604000		604002					
25	FPA 225/030	604001	FPA 225/100	604007	FPA 225/300	604003	FPA 225/500	604004	1
40	FPA 240/030	604006	FPA 240/100	604012	FPA 240/300	604008	FPA 240/500	604009	1
63	FPA 263/030	604011	FPA 263/100	604017	FPA 263/300	604013	FPA 263/500	604014	1
80	FPA 280/030	604016	FPA 280/100	604022	FPA 280/300	604018	FPA 280/500	604019	1
100	FPA 2100/030	604021	FPA 2100/100		FPA 2100/300	604023	FPA 2100/500	604024	1

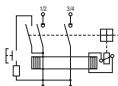


4P

In (A)	30mA		100mA		300mA		500mA		Pack.
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
25	FPA 425/030	604096	FPA 425/100	604102	FPA 425/300	604098	FPA 425/500	604099	1
40	FPA 440/030	604101	FPA 440/100	604107	FPA 440/300	604103	FPA 440/500	604104	1
63	FPA 463/030	604106	FPA 463/100	604112	FPA 463/300	604108	FPA 463/500	604109	1
80	FPA 480/030	604111	FPA 480/100	604117	FPA 480/300	604113	FPA 480/500	604114	1
100	FPA 4100/030	604116	FPA 4100/100		FPA 4100/300	604118	FPA 4100/500	604119	1

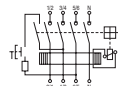
On request: 1000 mA

### Series FP - Type S



2P

In (A)	100mA		300mA		500mA		Pack.
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
40	FPS 240/100	604026	FPS 240/300	604027	FPS 240/500	604028	1
63	FPS 263/100	604030	FPS 263/300	604031	FPS 263/500	604032	1
80	FPS 280/100	604034	FPS 280/300	604035	FPS 280/500	604036	1
100	FPS 2100/100	604038	FPS 2100/300	604039	FPS 2100/500	604040	1



4P

In (A)	100mA		300mA		500mA		Pack.
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
40	FPS 440/100	604121	FPS 440/300	604122	FPS 440/500	604123	1
63	FPS 463/100	604125	FPS 463/300	604126	FPS 463/500	604127	1
80	FPS 480/100	604129	FPS 480/300	604130	FPS 480/500	604131	1
100	FPS 4100/100	604133	FPS 4100/300	604134	FPS 4100/500	604135	1

On request: 1000 mA

