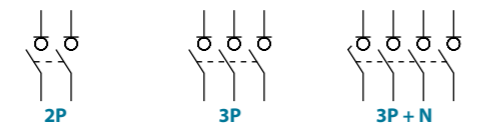


# S5000 AC Switch - disconnecter base mounting 2P - 3P - 3P+N

**Size 0**  
**A 125|160|200|250**

	CODE-125A	CODE-160A	CODE-125A	CODE-160A	CODE-200A	CODE-250A
2P	S5-01252PB0	S5-01602PB0	S5-01252PS0	S5-01602PS0	S5-02002PS0	S5-02502PD0
3P	S5-01253PB0	S5-01603PB0	S5-01253PS0	S5-01603PS0	S5-02003PS0	S5-02503PD0
3P+N	S5-01253NB0	S5-01603NB0	S5-01253NS0	S5-01603NS0	S5-02003NS0	S5-02503ND0



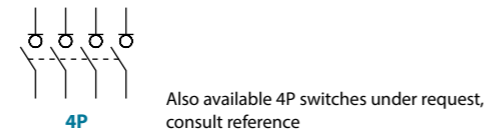
## Technical information

According to IEC/EN 60947-3



		125 160 200 250				
Rated thermal current I <sub>th</sub> in ambient at	40 °C	A	125	160	200	250
	50 °C	A	125	160	200	250
	60 °C	A	125	160	200	200
Rated insulation voltage	U <sub>i</sub>	V	1000	1000	1000	1000
Rated dielectric strength	50 Hz, 1 min.	V	4000	4000	4000	5000
Rated impulse withstand voltage	U <sub>imp</sub>	kV	8	8	8	8
AC rated operational current <sup>*(1)</sup> (Rated operational frequency 50/60 Hz)	U <sub>e</sub> 400V AC21A	A	125	160	200	250
	U <sub>e</sub> 400V AC22A	A	125	160	200	250 <sup>*(6)</sup>
	U <sub>e</sub> 400V AC23A	A	125	160	160	160
	U <sub>e</sub> 500V AC21A	A	125	160	200	200
	U <sub>e</sub> 500V AC22A	A	125	160	200	200
AC rated operational power <sup>*(2)</sup>	3x400V AC23A	kW	69,2	88,6	88,6	88,6
Rated capacitor power	400V, sen φ = 0,65	kVA <sub>r</sub>	56,2	72	72	72
Rated breaking capacity	400V AC23A	A	1000	1280	1280	1280
Rated making capacity	400V AC23A	A	1250	1600	1600	1600

		125 160 200 250			
<b>Short - circuit behaviour</b>					
Rated short-circuit making capacity <sup>*(3)</sup>	I <sub>cm</sub> kA (peak)	13	13	13	13
Rated short-time withstand current (1sec.)	I <sub>cw</sub> kA rms	7	7	7	7
Conditional short - circuit current (rms value) <sup>*(4)</sup>	kA rms	100	100	100	100
Maximum cut - off current (peak value)	kA (peak)	17	20	20	20
Maximum power dissipation (I <sup>2</sup> t)	A <sup>2</sup> s (x10 <sup>3</sup> )	55	198	198	198
<b>Mechanical features</b>					
Minimum number of mechanical operations <sup>*(5)</sup>	Cycles	30000	30000	30000	30000
Maximum weight 3P	Kg	0,85	0,85	0,9	0,9
Maximum weight 3P+N	Kg	1	1	1	1



<sup>\*(1)</sup> Other voltages and / or utilization categories. Please consult  
<sup>\*(2)</sup> Indicative values: current values vary from one motor manufacturer to another  
<sup>\*(3)</sup> Without limiting protective device (short-circuit maintained 50... 100 ms.)  
<sup>\*(4)</sup> With a protective device limiting the cut - off current and the joule integral to the indicated values  
<sup>\*(5)</sup> Please consult us for more operations  
<sup>\*(6)</sup> Rated operational current AC22B

## Accessories

- Direct handle**  
CODE DS-SI01
- External handle** included shaft<sup>\*(e1)</sup>  
IP65  
CODE DS-SA01
- External handle** without shaft  
IP65  
CODE DS-SA03
- Emergency external handle** included shaft<sup>\*(e1)</sup>  
IP65  
CODE DS-SR01
- Terminal protection**  
CODE DS-CU01  
(1 unit for input or output)
- DIN rail mounting**  
CODE DS-DN01  
(1 kit for 125-160A switches)
- Auxiliary contacts**  
1NO+1NC CODE D5LAU01  
2NO+2NC CODE D5LAU02  
I<sub>e</sub> = 16 A (resistive loads)  
4 A (inductive loads) at 250 Vac.
- Safety key lock device**  
Simple CODE DS-CAB1  
Double CODE DS-CEB1

## Shafts

**Standard shaft** included <sup>\*(e1)</sup>

L (mm)	P (mm)	CODE
177	87... 197,5	

**Shaft extensions**

Type 1		
L (mm)	P (mm)	CODE
250	87... 278	DS-EP04
Type 2		
L (mm)	P (mm)	CODE
387	87... 415	DS-EP05

## Dimensions (mm)

Door drilling for external handle

A	B			S max (Cu) mm <sup>2</sup>	M
	2P	3P	4P		
125 A	129	129	140	95	4
160 A	129	140	53	95	4

A	B			S max (Cu) mm <sup>2</sup>	H max (Cu) mm	L max (Cu) mm	M
	2P	3P	4P				
125 A	131	131	142	95	5	25	M8
160 A	131	142	53	95	5	25	M8

A	B			S max (Cu) mm <sup>2</sup>	Z max	H max (Cu) mm	L max (Cu) mm	M
	2P	3P	4P					
200 A	131	131	142	120	30	5	30	M10
250 A	131	142	53	120	30	5	30	M10