Operation of A5 standard switches on DC cirucuits

The range of A5 cam operted switched can also be used on DC circuits as indicated on the following selection table.

In order to define which switch fits to the specific application first of all we need to check if we refer to resistive or inductive loads. For resistive loads we can use the first part of the table and for inductive loads the second part of the table.

Next step is to find on the grey columns of the left side the voltage that is operating our application. On the top of the column we can find the number of contacts in series that we need to operate the switch under that voltage. From the voltage we have pointed we move towards the right of the same row until we find the rating that the DC circuit is using. From that cell we move upwards until we find on top the rating of the standard A5 switch in red color.

Note: There might be different solutions for the same DC circuit depending on the size of the switch and number of contacts in series.

Type of DC load	Contacts in series						Size 0			Size 1			Size 2		
	1	2	3	4	5	6	12A	16A	25A	25A	32A	40A	63A	100A	125A
Resistive Loads L/R Time constant <=1ms	Voltage (V)						Ie (A)								
	24	48	70	95	120	145	12	16	25	25	32	40	63	100	125
	48	95	145	190	300	290	6	7	7,8	20	25	32	40	63	100
	60	120	180	240	300	360	3	5	6,2	8	12	20	25	32	---
	110	220	330	440	550	660	2	4	5,5	6	7	8	---	---	---
	220	440	660				0,5	0,7	1,2	1,5	1,7	2	---	---	---
	330	660					0,2	0,2	0,2	0,4	0,5	---	---	---	---

Inductive Loads L/R Time constant =50ms	Voltage (V)						Ie (A)								
	24	48	70	95	120	145	6	10	16	20	25	32	40	63	100
	48	95	145	190	300	290	2	3	4	10	12	16	20	25	---
	60	120	180	240	300	360	1	1,2	1,2	3	4	5	10	---	---
	110	220	330	440	550	660	0,4	0,4	0,4	1	2,5	4	---	---	---
	220	440	660				0,3	0,3	0,3	0,5	0,7	1	---	---	---
	330	660													