



Kirk Key Interlock Company

9048 Meridian Circle NW, North Canton, OH 44720

Phone: 234.209.9301 • Fax: 330.497.4400 • Toll Free: 800.438.2442

Website: www.kirkkey.com Email: sales@kirkkey.com

**Type PPS - Panel Mounted Switch
SD Series - Switch Ratings**

			20A Switch	25A Switch	40A Switch	63A Switch
Rated Insulation Voltage U	IEC 60947-3, EN 60947-3					
	VDE 0660 part 107	V	690	690	690	690
	UL/Canada	V	600	600	600	600
Rated Thermal Current	IEC 60947-3, EN 60947-3					
	VDE 0660 part 107	A	20	25	40	63
	UL/Canada	A	20	30	45	65
Rated Operational Current						
AC-15 switching of control devices, contactors, valves, etc.	IEC 60947-3, EN 60947-3					
	VDE 0660 220V - 240V	A	5	8	14	16
	part 107 380V - 440V	A	4	5	6	7
AC-21A switching of resistive loads, incl moderate overloads	IEC 60947-3, EN 60947-3					
	VDE 0660 part 107	A	20	25	40	63
Pilot Duty	UL/Canada Heavy		A600	A600	A600	A600
DC Switching Capacity						
Number of series contacts	1	2				
T ≤ 1 ms		Voltage V				
	24	48	A	20	25	-
	48	95	A	12	20	32
	60	120	A	4.5	7.5	23
	110	220	A	1	1.5	-
	220	440	A	0.4	0.5	-
	440	660	A	0.27	0.3	-
Inductive loads	24	48	A	12	20	32
T = 50 ms	30	60	A	5	9	25
	48	95	A	2	3	-
	60	120	A	1	1.5	-
	110	220	A	0.4	0.5	-
Rated Utilization Category	IEC 60947-3, EN 60947-3					
	VDE 0660 part 107					
AC-3 Direct-on-line starting, star-delta starting	3 phase 3 pole 380V-440V	kW	5.5	7.5	15	18.5
	1 phase 2 pole 220V-240V	kW	2.2	3	5.5	6
Ratings						
Standard motor load	3 phase 3 pole 550V-600V	HP	5	10	25	30
DOL-Rating (similar AC-3)	1 phase 2 pole 550V-600V	HP	2	5	15	20
Max. Permissible Wire Ga.			2x	2x		
Use copper wire only	mm		2.5	4	16	16
Single-core or stranded wire	AWG		12	10	6	6
Rated Impulse Withstand Voltage U		kV	6	6	6	6



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Rated Operational Current

AC-22A Switching of combined resistive or low inductive loads incl moderate overloads	IEC 60947-3, EN 60947-3	A	20	25	40	63
	VDE 0660 part 107	A	20	25	40	63

Ampere Rating Resistive or low inductive loads	UL/Canada	A	20	30	45	60
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Breaking Capacity

220V-240V	A	150	200	290	440
380V-440V	A	150	200	290	440
660V-690V	A	80	125	170	260

Short Circuit Protection

Maximum fuse size	(gL/gG-characteristic)	A	25	35	50	63
Rated short-time withstand current	(1s-current)	A	140	280	950	950

Ambient Temperature of Stages

open at 100% enclosed at 100% 55 degrees C during 24 hours with peaks up to 60 degrees C. 35 degrees C during 24 hours with peaks up to 40 degrees C.

Rated Utilization Category

IEC 60947-3, EN 60947-3
VDE 0660 part 107

AC-2 Slip ring motor starting, reversing and plugging, star-delta starting.	3 phase 3 pole					
	220V-240V	kW	4	5.5	10	18.5
	380V-440V	kW	7.5	11	18.5	30
	500V	kW	10	15	22	40
660V-690V	kW	10	13	22	37	

AC-4 Direct-on-line starting, reversing, plugging and inching

3 phase 3 pole					
220V-240V	kW	0.55	1.5	3.7	5.5
380V-440V	kW	1.5	3	6	7.5
500V	kW	1.5	3	6	7.5
660V-690V	kW	1.5	3	6	9

1 phase 2 pole					
110V-120V	kW	0.3	0.45	1.1	1.2
220V-240V	kW	0.75	1.1	2.2	2.4
380V-440V	kW	1.5	2.2	3.7	4

AC-23A Frequent switching of motors or other high inductive loads.

3 phase 3 pole					
220V-240V	kW	3.7	5.5	7.5	15
380V-440V	kW	7.5	11	18.5	30
500V	kW	7.5	11	18.5	30
660V-690V	kW	7.5	11	18.5	30

1 phase 2 pole					
110V-120V	kW	0.75	1.5	2.2	4
220V-240V	kW	2.5	3	4	10
380V-440V	kW	3.7	5.5	7.5	18.5

Ratings

Heavy motor load
Reversing-Rating
(similar AC-4)

3 phase 3 pole				
110V-120V	HP	0.5	1	
220V-240V	HP	1	2	
440V-600V	HP	3	5	
1 phase 2 pole				
110V-120V	HP	0.17	0.33	
220V-240V	HP	0.5	0.75	
277V	HP	0.6	1	