

TECHNICAL DATA



CHARACTERISTICS

SWITCH TYPE

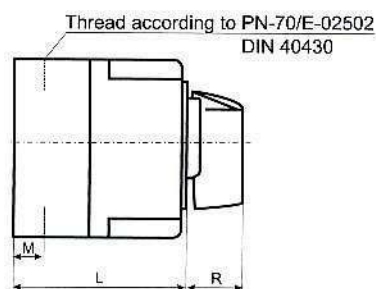
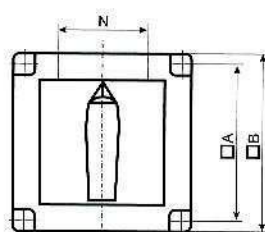
		4G 10	4G 16	4G 25	4G 40	4G 63	4G 80
Rated insulation voltage U_i	V	660	660	660	660	660	660
Rated peak withstand voltage U_{imp}	kV	4	4	4	6	6	6
Rated thermal current I_n	A	16	20	25	50	63	80
Short circuit protection. Maximum rated current of fuses of high breaking capacity							
10 kA eff.	A	16	20	25	50	63	80
25 kA eff.	A	10	16	25	50	63	80
63 kA eff.	A	—	25	25	40	63	63
73 kA eff.	A	—	25	25	36	50	63
40 kA eff.	A	—	25	25	50	63	80
Mechanical endurance (number of switching operations)		3×10^6	3×10^6	3×10^6	1×10^6	1×10^6	1×10^6
Terminal screw		M3	M4	M4	M5	M5	M6
Maximum conductor cross section	mm ²	2 × 2,5	2 × 4	2 × 6	2 × 10	2 × 10	25
Short time loading							
1s	A	220	430	690	920	1600	1600
10s	A	70	145	240	290	600	650
30s	A	40	90	160	200	375	400
60s	A	30	75	125	155	285	300
Maximum breaking capacity							
660V - cos φ = 0,65	A	—	190	—	—	—	—
660V - cos φ = 0,35	A	—	—	250	490	500	500
600V - cos φ = 0,35	A	—	200	260	500	610	610
500V - cos φ = 0,35	A	100 ¹⁾	—	—	—	—	—
500V - cos φ = 0,75	A	—	—	—	—	—	—
On-load switches in AC2 utilization category.							
Rated output for three-phase loads							
3 × 220V a.c.	kW	5,2	7	9	14	23	29
3 × 380V a.c.	kW	9	12,5	15,5	24	39	50
3 × 500V a.c.	kW	11,8	17	20	33	52	66
3 × 660V a.c.	kW	15,5	22	27	43	69	86
Motor switches in AC3, AC23 utilization category (30 switching operations per hour).							
Rated output for three-phase motors							
3 × 220V a.c.	kW	3	4,5	7,5	12,5	18,5	21
3 × 380V a.c.	kW	5	8	13	21	32	37
3 × 500V a.c.	kW	6	11	17	27	42	48
3 × 660V a.c.	kW	6	11	17	27	55	60
Motor switches in AC3, AC23 utilization category (30 switching operations per hour).							
Rated output for single-phase motors (2-pole)							
110V a.c.	kW	0,8	1,3	2,1	3,6	5,3	6
220V a.c.	kW	1,7	2,6	4,3	7,2	10,6	12,1
380V a.c.	kW	2,8	4,6	7,5	12,0	18,5	21,1
Auxiliary switches in AC14 utilization category.							
Rated operating current I_n (single-pole)							
110V a.c.	A	11	20	25	50	63	72
220V a.c.	A	8	20	25	40	50	50
380V a.c.	A	3,5	16	20	40	45	45
660V a.c.	A	2,5	8	8,5	10	10	10

¹⁾ cos φ = 0,65

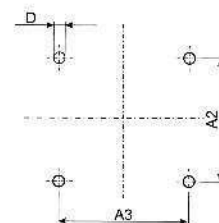
CAUTION! Categories of utilization acc. to IEC 947-1, IEC 947-3, IEC 947-5-1 and PN-90/E-06150/10, PN-93/E-06115/30, PN-92/E-06150/51



PK



Spacing of fixing holes



Group	Type of switch	D1	A1	A2	A3	B	M	N	R	P	Number of elements / L (mm)			
		Ø	□			□					1	2	3	4
A0	4G 10	4,3	55	38	54	64	13	25	19	11	55,5	55,5	75	75
	4G 16	4,3	75	75	75	85	19	34	25	16	77	77	104	104
A1	4G 25	4,3	75	75	75	85	19	34	25	16	77	77	104	104
	4G 40	5,3	109	91	107	120	29	45	32	21	95	95	132	132
	4G 63; 80	5,3	109	91	107	120	29	45	32	21	95	95	132	132

© KARTEL PRESS SA (056) 660 31 60

Special mechanical versions



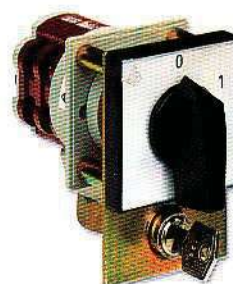
PKS6



OUS8S25



US25



US5



US12

Besides electrical diagrams and mechanical versions presented in this brochure we offer much more applications that you can find on our website or making contact with our Foreign Trade Department.



ul. Żółkiewskiego 21/29, 87-100 Toruń, Poland
FOREIGN TRADE DEPARTMENT

ISO 9001

ISO 14001