

Switch-disconnectors

Switch Type	Thermal Rating	Insulation Voltage, U _i	Rated Operating Current & Power								Short Circuit Protection	Terminal Capacity		
			Operational Current, I _e				Operational Power					Max. fuse gL/gG char.	Single core/ stranded wire.	Flexible wire, with sleeve.
Open rating I _{th}	A	V	AC-15		AC-21A	AC-3			AC-23A		A			
			110v	220-240v	380-415v	690v	1 ph.	3 ph.	1 ph.	3 ph.		220-240v	220-240v	380-415v

Switch-disconnectors - selection data in accordance with: IEC 60947, IEC 60204, BS EN 60947, BS EN 60204

CA10B	20	690	5	5	5	20	2.2	3	5.5	2.5	3.7	7.5	25	2 x 2.5	2 x 2.5	-
CA20B	25	690	8	8	5	25	3	4	7.5	3	7.5	11	35	2 x 4	2 x 2.5	-
CA25B	32	690	12	12	6	32	4	5.5	11	4	7.5	15	35	2 x 6	2 x 4	-
CA40	40	690	14	14	6	40	5.5	7.5	15	4	7.5	18.5	50	16	10	-
CA50	50	690	16	16	7	50	6	11	18.5	5.5	11	22	63	16	10	-
CA63	63	690	16	16	7	63	6	11	18.5	10	15	30	63	16	10	-
C316	315	1000	-	-	-	315	-	37	55	-	75	132	315	185	150	M12
KC16	16	690	-	-	-	16	1.5	3	5.5	2	4.5	7.5	25	0.5-6	0.5-2.5	-
KC20	20	690	-	-	-	20	2	3.5	6.5	2.5	5.5	10	35	0.5-6	0.5-2.5	-
KC25	25	690	-	-	-	25	2.5	4	7.5	3.3	7	12	35	0.5-6	0.5-2.5	-
KC32	32	690	-	-	-	32	3	5.5	11	4.2	9	16	35	0.5-6	0.5-2.5	-
KG10	20	690	-	-	-	20	1.1	2.2	3.7	1.5	3	5.5	20	2.5	1.5	-
KG20	25	690	-	-	-	25	1.5	4	5.5	2.2	5.5	7.5	35	6	4	-
KG32	32	690	-	-	-	32	2.2	5.5	7.5	3	5.5	11	35	6	4	-
KG41	40	690	-	-	-	40	3	7.5	11	4	7.5	15	50	16	10	-
KG64	63	690	-	-	-	63	4	11	18.5	5.5	11	22	63	16	10	-
KG80	80	690	-	-	-	80	7.5	15	22	10	18.5	30	80	50	35	-
KG100	100	690	-	-	-	100	8.5	18.5	30	11	22	37	100	50	35	-
KG105	125	690	-	-	-	125	-	22	37	-	25	45	125	50	35	-
KG125	125	1000 ¹⁾	-	-	-	125	-	22	37	-	30	45	125	95	70	-
KG160	160	1000 ¹⁾	-	-	-	160	-	30	45	-	30	55	160	95	70	-
KG210	200	1000 ¹⁾	-	-	-	200	-	37	55	-	37	75	200	185	120	-
KG250	250	1000 ¹⁾	-	-	-	250	-	37	55	-	37	90	250	185	120	-
KG315	315	1000 ¹⁾	-	-	-	315	-	45	75	-	55	110	315	185	120	-
KH16	16	800 ¹⁾	-	-	-	16	1.5	3	5.5	2	4.5	7.5	25	6	4	-
KH20	20	800 ¹⁾	-	-	-	20	2	3.5	6.5	2.5	5.5	10	32	6	4	-
KH25	25	800 ¹⁾	-	-	-	25	2.5	4	7.5	3.3	7	12	35	6	4	-
KH32	32	800 ¹⁾	-	-	-	32	3	5.5	11	4.2	9	16	35	10	6	-
KH40	40	800 ¹⁾	-	-	-	40	4.5	7.5	15	5.5	11	20	50	10	6	-
KH63	63	1000 ¹⁾	-	-	-	63	7.5	11	22	8.5	18.5	30	80	35	25	-
KH80	80	1000 ¹⁾	-	-	-	80	10	15	30	11	23	40	100	35	25	-
KH85	100	1000 ¹⁾	-	-	-	100	10	-	-	11	-	-	100	35	25	-

Auxiliary contacts - selection data in accordance with: IEC 60947, BS EN 60947.

C316	16	690	6	6	4	16	-	-	-	-	-	-	16	4	2.5	-
KG10	20	690	6	6	4	20	-	-	-	-	-	-	20	2.5	2.5	-
KG20 & KG32	10	500	2.5	2.5	1.5	10	-	-	-	-	-	-	10	1.5	1.5	-
KG41 - KG105	16	690	6	6	3	16	-	-	-	-	-	-	16	2.5	2.5	-
KG125 - KG315	16	690	6	6	3	16	-	-	-	-	-	-	16	2.5	2.5	-
KH16 - KH85	10	440	2.5	2.5	1.5	10	-	-	-	-	-	-	10	1.5	1.5	-

Switch Rating or Utilization Category	Switch Selection – Common Rating Data and Utilization Categories Description
Rated insulation voltage, U _i	Maximum value of operational voltage
Thermal current, I _{th}	Maximum value of current that the switch can carry (not switch) when mounted in free air Max. ambient air temperature for stated value:- C switches : +55°C average over 24 hours with peaks up to 60°C KG/KH switches : +50°C average over 24 hours with peaks up to 55°C
AC-3	For the selection of switches used for starting of squirrel cage motors and switching off during running
AC-15	For selection of switches to be used for the control of an a.c. electromagnetic load, e.g. contactor coils
AC-21A	For selection of switches required for switching of resistive loads, including moderate overloads
AC-23A	For selection of switches required for switching motor loads or other highly inductive loads
	Normal selection criteria for emergency-off switches for motors and switches used for safety isolation of motors (switch-disconnectors) such as Off/On, main or main/emergency-off switches.

Notes: 1) Only valid for no-load switching (AC-20A) above 690v.