

Switch disconnectors

Switch Type	Thermal Rating	Insulation Voltage, Ui	Rated Operating Current & Power								Short Circuit Protection	Terminal Capacity			
			Operational Current, Ie				Operational Power					Max. fuse gL/gG char.	Single core/ stranded wire	Flexible wire/ with sleeve	Terminal bolt for Cu bar/lug
	Ith		AC-15		AC-21A	AC-3			AC-23A						
	Open rating		110v 220-240v 380-440v	690v	220-240v, 1 ph.	220-240v, 3 ph.	380-440v, 3 ph.	220-240v, 1 ph.	220-240v, 3 ph.	380-440v, 3 ph.					
											A	V	A		kW
Switch-disconnectors - selection data in accordance with: IEC 60947, IEC60204, BS EN 60947, BS EN 60204															
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															
KG10	20	690	6	6	4	20	-	-	-	-	-	20	2.5	2.5	-
KG20 & KG32	10	500	2.5	2.5	1.5	10 ²	-	-	-	-	-	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	

Notes: 1) Only valid for no-load switching (AC-20A) above 690v. 2) Max 500v

Switch Rating or Utilization Category	Switch Selection - Common Rating Data and Utilization Categories Description
Rated insulation voltage U	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:- KG/KH switches +50°C average over 24hrs 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 the selection of switches used for the control of an a.c. electromagnetic load e.g. contactor coils
AC-21A	For the selection of switches required for switching of resistive loads, including moderate overloads
AC-23A	For the 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.