

Switch disconnectors

Technical characteristics

GA series 16A to 160A

TYPE		Three pole	GA016...	GA025...	GA032...	GA040...	GA063 SA	GA063...	GA080...	GA100...	GA125...	GA160A
		4th pole	GAX42 040...	GAX42 040...	GAX42 040...	GAX42 040...	GAX42 063SA	GAX42 063...	GAX42 080...	GAX42 100...	GAX42 125...	GAX42 160A
CONTACT CHARACTERISTICS												
IEC conventional free air thermal current Ith (≤40°C)		A	16	25	32	40	63	63	80	100	125	160
IEC rated insulation voltage Ui		V	1000									
IEC rated impulse withstand voltage Uimp		kV	8									
IEC rated operational current Ie												
AC21A	400V	A	16	25	32	40	63	63	80	100	125	160
	500V	A	16	25	32	40	63	63	80	100	125	160
	690V	A	16	25	32	40	63	63	80	100	125	160
AC22A	400V	A	16	25	32	40	45	63	80	100	125	125
	500V	A	16	25	32	40	45	63	80	100	125	125
	690V	A	16	25	32	40	45	63	80	100	125	125
AC23A	400V	A	16	25	32	40	45	63	80	100	125	125
	500V	A	16	25	25	25	25	63	63	80	100	100
	690V	A	16	25	25	25	25	47	47	47	47	47
Power dissipation		W/pole	0.2	0.4	0.6	1.0	2.9	1.6	2.6	4.0	6.3	12
IEC rated operational power												
AC23A	400V	kW	7.5	11	15	18.5	22	30	45	55	55	55
	690V	kW	11	22	22	22	22	45	45	45	45	45
IEC reactive power for control of capacitors 400V		kvar	7.5	10	12.5	15	15	25	30	40	50	50
Short circuit protection												
Rated short-time current (1s) Icw		A rms	800					2500				
Conditional short-circuit current		kA rms	50									
With fuse class gG		A	16	25	32	40	63	63	80	100	125	160
Making capacity AC23A 400V		A	400				450	1250				
Breaking capacity AC23A 400V		A	320				360	1000				
Mechanical life		cycles	100,000				100,000	30,000				
Electrical life (AC21A)		cycles	100,000				15,000	30,000				1,500
Terminals 		type	Pillar terminal									
		A mm	5.6					12.4				
		B mm	6.5					10.4				
		Screw	M4					M8				
		Tool	Phillips 2					Metric Allen key 4				
Tightening torque		Nm	1.8...2					5...6				
		lbin	16...18					45...54				
Conductor section min...max		mm²	0.75...16					4...70				
		AWG	18...6					12...1				
AMBIENT CONDITIONS												
Temperature	Operating	°C	-25...+55									
	Storage	°C	-40...+70									
Maximum altitude		m	3000									
Mounting position	Normal		Vertical									
	Admissible		Any									
Fixing			By screw or on 35mm DIN rail (IEC/EN 60715)									

