

Air Circuit Breakers Series KA

- The world's first Double Break ACB
- Rated short-time withstand current I_{cw} equal to Rated service short-circuit breaking capacity I_{cs}
- Breaking time less than 30ms
- Double Opening and Closing Coils
- One of the world's smallest ACB
- Double insulation properties
- All models have LSI protection

AIR CIRCUIT BREAKERS

SERIES KA

NEW!



*The producer reserves the right of data altering.
Additional information will be given on request.*

KONČAR

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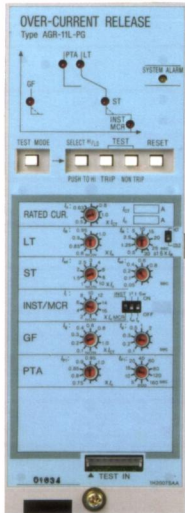
According to: IEC 60947-2, EN 60947-2, JIS C 8201-2, AS3947-2, NEMA Pub No. SG3

ACB Frame Size				KA 2		KA 3		KA 4
Type				S	H	S	H	S
Rated Current	I_n	A		800/1250/1600/2000	1250/1600/2000	2500/3200	1600/2000/2500/3200	4000
Rated Current in the N-pole	I_N	A		800/1250/1600/2000	1250/1600/2000	2500/3200	1600/2000/2500/3200	4000
ACB Model				KA208S/KA212S/KA216S/KA220S	KA 212H/KA216H/KA220H	KA325S/KA332S	KA316H/KA320H/KA325H/KA332H	KA440S
Rated Insulation Voltage	U_i	V	50/60Hz	1000	1000	1000	1000	1000
Rated Impulse Withstand Volt.	U_{imp}	kV		12	12	12	12	12
Rated Operational Voltage	U_e	V~	50/60Hz	690	690	690	690	690
Rated Breaking Capacity	$I_{cu} = I_{cs}$	kA	690V~	50	55	65	85	75
			440V~	65	80	85	100	100
			400/415V~	65	80	85	100	100
			600V= ²⁾	40	40	40	40	40
			250V=	40	40	40	40	40
Rated Making Capacity	I_{cm}	kA	690V~	105	121	143	187	165
			440V~	143	176	187	220	220
			400/415V~	143	176	187	220	220
			600V= ²⁾	40	40	40	40	40
			250V=	40	40	40	40	40
Rated Short-time Withstand Current	I_{cw}	kA	1 s	65	80	85	100	100
			3 s	50	55	65	75	85
Times	breaking time	s		0.03	0.03	0.03	0.03	0.03
	spring charg. tim.	s		10	10	10	10	10
	close time	s		0.08	0.08	0.08	0.08	0.08
No. of operating cycles								
Mechanical life	with maintenance	cycles		30.000 ¹⁾	30.000 ¹⁾	20.000	20.000	15.000
	without mainten.	cycles		15.000 ¹⁾	15.000 ¹⁾	10.000	10.000	8.000
Electrical life	without mainten.	cycles	460V~	12.000 ¹⁾	12.000 ¹⁾	7.000	7.000	5.000
	without mainten.	cycles	690V~	10.000 ¹⁾	10.000 ¹⁾	5.000	5.000	2.500
Outline dimension								
Fixed type	width (a)	mm	3 pol.	360	360	466	466	----
			4 pol.	445	445	586	586	----
	height (b)	mm	460	460	460	460	----	
	depth (c)	mm	290	290	290	290	----	
	terminals (d)	mm	75	75	75	75	----	
Draw-out type	width (a)	mm	3 pol.	354	354	460	460	631
			4 pol.	439	439	580	580	801
	height (b)	mm	460	460	460	460	460	
	depth (c)	mm	290	290	345	345	375	
	terminals (d)	mm	40	40	40	40	53	

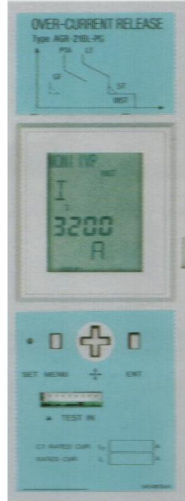
¹⁾ KA220S and H - Mechanical (with maintenance) Endurance 25 000 Cycles
- Mechanical (without maintenance) Endurance 12 000 Cycles
- Electrical 460V AC (without maintenance) Endurance 10 000 Cycles
- Electrical 690V AC (without maintenance) Endurance 7 000 Cycles

²⁾ 3 poles in series

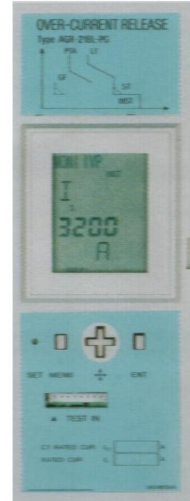
PROTECTION RELAY GUIDE



AGR-11B



AGR-21/22B



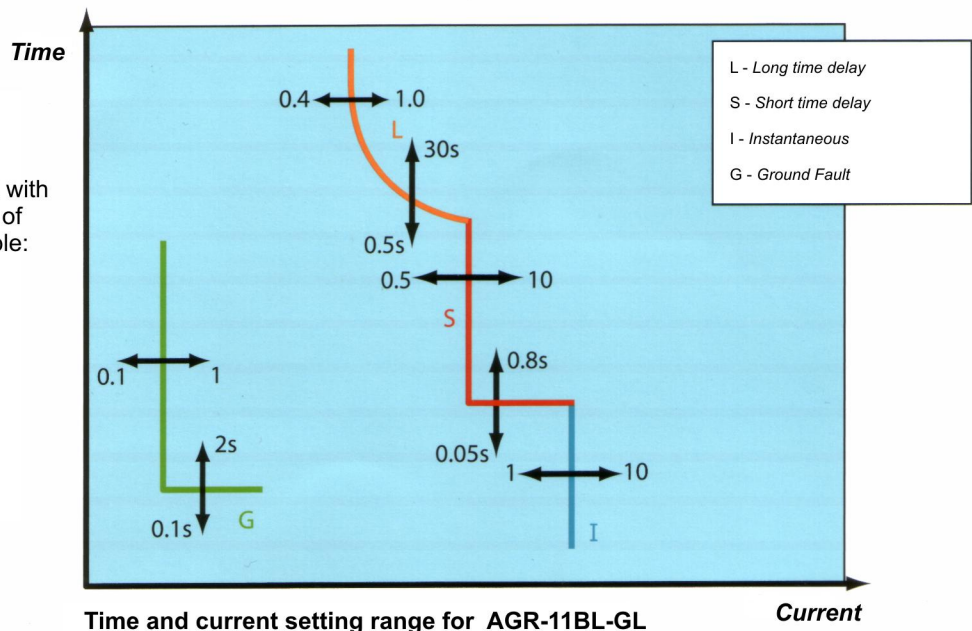
AGR-31B

PROTECTION RELAYS	PROTECTION TYPES	PROTECTION AND INDICATION				
		Over load	Short circuit	Ground fault	Fleeting indication	Individual indication
AGR 11B <i>Economy</i> 21/22B <i>Standard</i> 31B <i>Advanced</i>	KRIVULJA DJELOVANJA L <i>Feeder</i>	✓	✓		✓	
	S <i>Generator</i>	✓	✓	✓	✓	
	R <i>IEC-60255</i>	✓	✓	✓		✓
	PS	✓	✓			✓
		AL	✓	✓		✓
		GL	✓	✓	✓	

Example of the product coding guide AGR-11BL-GL

Protection Relay Range is equipped with RMS sensing and has a wide range of protection functions. Options available:

- Ground Fault
- Reverse Power
- Neutral Protection
- Pre Trip Alarm
- Spring Charge and Trip Indication
- Undervoltage alarm
- LCD (AGR-21/22/31)
- Communication
- Phase Rotation Protection
- Contact Temperature Monitoring



Time and current setting range for AGR-11BL-GL