

Hager ACBs conform to IEC/EN 60947-2 standards and to all major international standards and performance categories.

- High breaking capacity: full range Icu=Ics
- Optimised and compact panel size: same height and depth
- Terminal conversion horizontal – vertical (up to 3200A)
- Quick and easy mounting of accessories
- OCR: LCD display, pre-trip alarm, fault/event recording, integrated communication, remote reset, ZSI, temperature alarm
- Advanced protection: low load, unbalance voltage, reserve power, low/over voltage protection
- Advanced metering: ammeter, voltage, power, energy, demand...



Type				HWAN		HWBS				HWCP	
<b>Frame</b>				A		B				C	
Rated uninterrupted current	40°C		A	1250	1600	2000	2500	3200	4000	5000	
No. of poles				3/4							
Rated operational voltage	50/60Hz	Ue	V	690							
Rated insulation voltage	50/60Hz	Ui	V	1000							
Rated impulse withstand voltage		Uimp	kV	12							
Current setting range (...x In max)			Ir	0.4 ~ 1.0							
Compliance	EN60947-2, IEC60947-2, GB14048-2										
Rated breaking capacity	415/380/220 AC	Icu	KA	65	85				100		
	550/600/690 AC			50	65				85		
Rated service breaking capacity	415/380/220 AC	Ics	(% Icu)	100%							
	550/600/690 AC										
Rated short-time capacity	1 Sec	Icw	KA	65	85				85		
	3 Sec			36	55				65		
Rated making capacity (kA peak)	415/380/220 AC	Icm	kA	143	187				220		
	550/600/690 AC			105	143				187		
Utilization category	IEC 60947-2			B							
<b>Time</b>											
Maximum total breaking time				ms		40					
Closing operating time	motor charging			s		10					
	max. closing time			ms		40					
<b>Protection</b>											
Long time overload protection LTD	Ict	In=Ictx...		0.5-0.63-0.7-0.8-0.9-1							
	current setting	Ir = In x...	A	0.4-0.5-0.6-0.7-0.8-0.85-0.9-0.95-1.0							
	time delay	tr at (6 x Ir)	sec	0.5-1.25-2-2.5-5-10-15-20-25-30							
Short time STD	current setting	I <sub>sd</sub> = In x...	A	1.0-1.5-2-2.5-3-4-6-8-10-non							
	time delay at 10xIn	I <sub>2t</sub> off	I <sub>2t</sub> off	sec	0.05-0.1-0.2-0.3-0.4-0.5						
			I <sub>2t</sub> on	sec	0.05-0.1-0.2-0.3-0.4-0.5						
	I <sub>2t</sub> off		min. trip time	ms	20-80-160-260-360-460						
			max. trip time	ms	80-140-240-340-440-540						
Instantaneous INST	current setting	I <sub>i</sub> = Inx...	A	2-3-4-6-8-10-12-15-non							
	trip time		ms	below 50							
Pre trip alarm PTA	current setting	I <sub>p</sub> = Inx...	A	0.6-0.65-0.7-0.75-0.8-0.85-0.9-0.95-1-non							
	time delay	tp at (I <sub>p</sub> x1.2)	sec	5-10-15-20-40-60-80-120-160							
Mechanical life	with maintenance	no. of cycles		30 000	20 000				20 000		
Electrical life	with maintenance	no. of cycles		10 000	10 000				5 000		
<b>Dimensions</b>											
Dimensions	Fixed	width 3 pole	mm	337	408				633		
		width 4 pole	mm	422	523				803		
		depth	mm	296 (without terminals)							
		height	mm	404							
	Draw-out	width 3 pole	mm	328	399				624		
		width 4 pole	mm	413	514				794		
		depth	mm	368 (without terminals)							
		height	mm	460							
Pitch	Ph-Ph	mm	85	115	115	115	152.5	190.5			
Terminal width		mm	50	75	75	90	100	125			
Weight	Fixed	3 pole	kg	34	44	44	44	61	76		
		4 pole	kg	44	55	55	55	81	81		
	Draw-out	3 pole	kg	63	87	87	87	107	145		
		4 pole	kg	80	130	130	130	161	173		