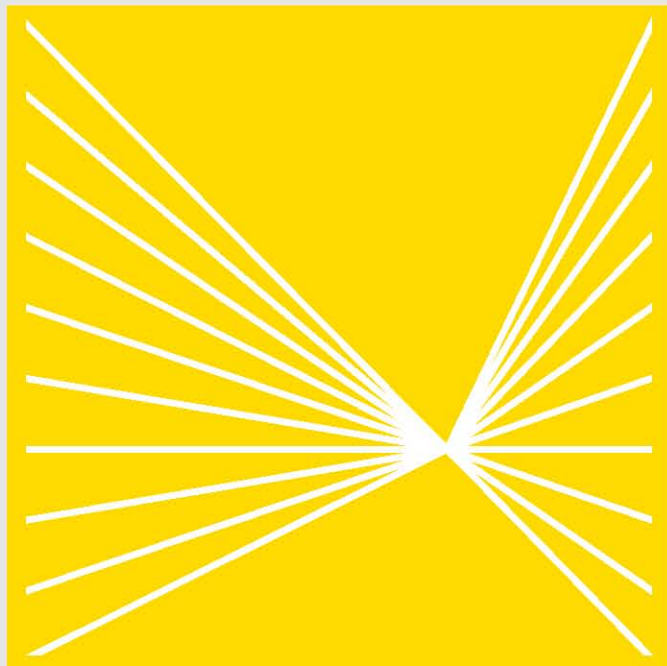
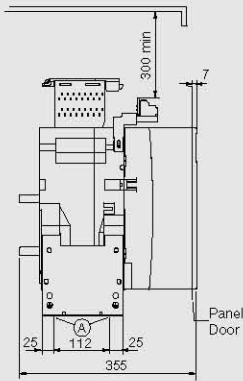


ACB - Range & Accessories

- 10 Frame I, Parent Breaker
- 11 Frame II, Parent Breaker
- 12 Frame III, Parent Breaker
- 13 Accessories



Air Circuit Breaker - Parent Breaker (Frame I)



Description

Hager ACBs offers panel builders and OEMs a wide choice of options.

Frame I is available from 630 A - 1600 A in 3 and 4 poles with breaking capacities of 55 and 65kA.

Mainly used as the main incoming breaker in an installation, the products are highly selective (Cat B), thanks

to the time delay adjustment possibilities.

Available in fixed and drawout versions, all products are tested and certified according to IEC 60947-2 standard.

Intrinsic degree of protection of breaker front cover: IP53
Pollution degree suitability: 3
Utilization category: B

Characteristics

Breaking capacity:
 $I_{cu} = I_{cs} = I_{cw}$

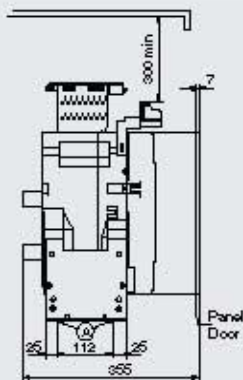
Original design working temperature is higher than standard ambient temperature. Modular design, easy to install, suitable for all applications.

Technical page 18



<i>Description</i>	<i>Technical information</i>	<i>Rated current(A)</i>	<i>Pack. Qty.</i>	<i>Pole</i>	<i>Cat. Ref.</i>
Air Circuit Breaker Parent Breaker	Frame I $I_{cu} = 55 \text{ kA}$ $I_{cu} = I_{cs} = I_{cw}$	630 A	1	3	HWH306
		800 A	1	3	HWH308
		1000 A	1	3	HWH310
		1250 A	1	3	HWH312
		1600 A	1	3	HWH316
		630 A	1	4	HWH406
		800 A	1	4	HWH408
		1000 A	1	4	HWH410
		1250 A	1	4	HWH412
		1600 A	1	4	HWH416
	Frame I $I_{cu} = 65 \text{ kA}$ $I_{cu} = I_{cs} = I_{cw}$	630 A	1	3	HWN306
		800 A	1	3	HWN308
		1000 A	1	3	HWN310
		1250 A	1	3	HWN312
		1600 A	1	3	HWN316
		630 A	1	4	HWN406
		800 A	1	4	HWN408
		1000 A	1	4	HWN410
		1250 A	1	4	HWN412
		1600 A	1	4	HWN416

Air Circuit Breaker - Parent Breaker (Frame II)



Description

Hager ACBs offers panel builders and OEMs a wide choice of options.

Frame II is available from 800 A - 2500 A in 3 and 4 poles with breaking capacities of 65 and 80kA.

Mainly used as the main incoming breaker in an installation, the products are highly selective (Cat B), thanks

to the time delay adjustment possibilities.

Available in fixed and drawout versions, all products are tested and certified according to IEC 60947-2 standard.

Intrinsic degree of protection of breaker front cover: IP53
Pollution degree suitability: 3
Utilization category: B

Characteristics

Breaking capacity:
Icu = Ics = Icw

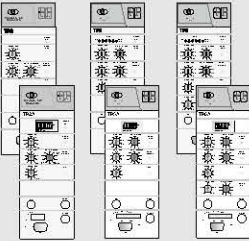
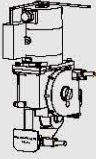


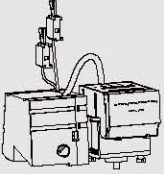
Original design working temperature is higher than standard ambient temperature. Modular design, easy to install, suitable for all applications.

Technical page 18

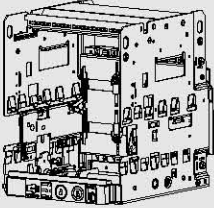
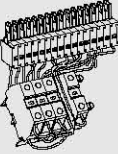

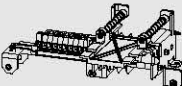
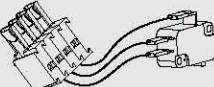


<i>Description</i>	<i>Technical information</i>	<i>Rated current(A)</i>	<i>Pack. Qty.</i>	<i>Pole</i>	<i>Cat. Ref.</i>
Air Circuit Breaker Parent Breaker	Frame II	2000 A	1	3	HWN320
	Icu = 65 kA	2500 A	1	3	HWN325
		2000 A	1	4	HWN420
		2500 A	1	4	HWN425
	Frame II	800 A	1	3	HWS308
	Icu = 80 kA	1000 A	1	3	HWS310
	Icu = Ics = Icw	1250 A	1	3	HWS312
		1600 A	1	3	HWS316
		2000 A	1	3	HWS320
		2500 A	1	3	HWS325
		800 A	1	4	HWS408
		1000 A	1	4	HWS410
		1250 A	1	4	HWS412
		1600 A	1	4	HWS416
		2000 A	1	4	HWS420
		2500 A	1	4	HWS425

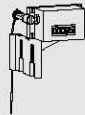






Air Circuit Breaker accessories

	<i>Description</i>	<i>Technical information</i>	<i>Pack. Qty.</i>	<i>Cat. Ref.</i>
	Protection & Control Unit	LS	1	HWW321
		LSLCD	1	HWW326
		LSI	1	HWW322
		LSILCD	1	HWW323
		LSIG	1	HWW324
		LSIGLCD	1	HWW325
	Electric Charging Device	110V AC 50/60 Hz	1	HWX311
		230V AC 50/60 Hz	1	HWX313
		415V AC 50/60 Hz	1	HWX314
		24V DC	1	HWX315
		48V DC	1	HWX317
	Closing Release	110V AC 50/60 Hz	1	HWX251
		230V AC 50/60 Hz	1	HWX253
		415V AC 50/60 Hz	1	HWX254
		24V DC	1	HWX255
		48V DC	1	HWX257
	Shunt Release	110V AC 50/60 Hz	1	HWX211
		230V AC 50/60 Hz	1	HWX213
		415V AC 50/60 Hz	1	HWX214
		24V DC	1	HWX215
		48V DC	1	HWX217
	Undervoltage Release (Without Delay)	110V AC 50/60 Hz	1	HWX231
		230V AC 50/60 Hz	1	HWX233
		415V AC 50/60 Hz	1	HWX234
		24V DC	1	HWX235
		48V DC	1	HWX237
	Undervoltage Release (With Delay 0.5–5s)	110V AC 50/60 Hz	1	HWX241
		230V AC 50/60 Hz	1	HWX243
		415V AC 50/60 Hz	1	HWX244
		24V DC	1	HWX245
		48V DC	1	HWX247

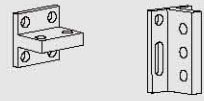
Air Circuit Breaker accessories

<i>Description</i>	<i>Technical information</i>	<i>Pack. Qty.</i>	<i>Cat. Ref.</i>	
	Drawout Cradle	1	HWY711	
		Frame I, 3 Pole	1	HWY712
		Frame II, 3 pole	1	HWY713
		Frame I, 4 Pole	1	HWY721
		Frame II, 4 Pole	1	HWY722
		Frame III, 4 Pole	1	HWY723
Conversion kit	Frame I, 3 Pole	1	HWY401	
	Frame I, 4 pole	1	HWY402	
	Frame II, 3 Pole	1	HWY402	
	Frame II, 4 Pole	1	HWY403	
	Frame III, 4 Pole	1	HWY404	
	Frame III, 4 Pole	1	HWY405	
	Auxiliary contact	1	HWX111	
	Electrical Position Indication	1	HWX112	
	Additional Electrical Position Indication	1	HWX114	
	Trip Indication for	1	HWX116	
	Undervoltage release	1	HWX117	
	Shunt release	1	HWX118	
	Common fault indication	1	HWX119	
	Ready-to-Close indication	1	HWX119	

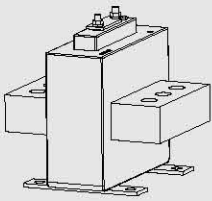
Air Circuit Breaker accessories

	<i>Description</i>	<i>Technical information</i>	<i>Pack. Qty.</i>	<i>Cat. Ref.</i>
	Operation Counter		1	HWY211
	Mechanical Interlock	Two Incomers	1	HWY121
		Three Incomers	1	HWY122
		Two Incomers & one standby	1	HWY123
		Two Incomers & one bus coupler	1	HWY124
	Locking Arrangement for OFF Button	1 type	1	HWY141
		2 type	1	HWY142
		3 type	1	HWY143
		12 type	1	HWY144
		23 type	1	HWY145
	Locking Arrangement for Isolated Position	1 type	1	HWY131
		2 type	1	HWY132
		3 type	1	HWY133
		12 type	1	HWY134
		23 type	1	HWY135
	Locking Arrangement for All Position	1 type	1	HWY151
		2 type	1	HWY152
		3 type	1	HWY153
		12 type	1	HWY154
		23 type	1	HWY155
	Door Interlock Mechanism		1	HWY112
	Panel Door Ingress Seal	Fixed type	1	HWY114
		Drawout type	1	HWY115

Air Circuit Breaker accessories



<i>Description</i>	<i>Technical information</i>	<i>Pack. Qty.</i>	<i>Cat. Ref.</i>
Terminal Adapter	Frame I, Horiz./Vert.	1	HWY311
	Frame II, Horiz./Vert.	1	HWY321
	Frame III, Horiz./Vert.	1	HWY311
	Frame I, Front	1	HWY312
	Frame II, Front	1	HWY323
	Frame III, Front	1	HWY333



Current Transformer for External Neutral	Frame I	630 A	1	HWW212
	Frame I	800 A	1	HWW213
	Frame I	1000 A	1	HWW214
	Frame I	1250 A	1	HWW215
	Frame I	1600 A	1	HWW216
	Frame II	800 A	1	HWW222
	Frame II	1000 A	1	HWW223
	Frame II	1250 A	1	HWW224
	Frame II	1600 A	1	HWW225
	Frame II	2000 A	1	HWW226
	Frame II	2500 A	1	HWW227
	Frame III	2000 A	1	HWW231
	Frame III	2500 A	1	HWW232
	Frame III	3200 A	1	HWW233
	Frame III	4000 A	1	HWW234