

**Air Circuit Breakers (ACBs)**

- 3 frame sizes 500 - 5000A
- Terminals easily convert from horizontal to vertical connection (*up to 3200A*)
- Compact dimensions (*same front panel cutout 345x292mm for all sizes*)

Air circuit breakers are supplied standard with the following:

	fixed	draw-out
Auxiliary contacts (4NO + 5NC)	•	•
RTC ( <i>ready to close</i> ) contact for "spring loaded" indication	•	•
OCR - LSI Amp - microprocessor protection and control unit ( <i>with LCD digital display</i> )	•	•
Internal components to easily mount mechanical interlocking facility	•	•
Panel door ingress seal ( <i>flange for compartment door</i> )	•	•
Cradle for draw-out circuit breaker		•
Operation ( <i>racking</i> ) crank handle		•
Safety shutters ( <i>padlockable</i> )		•

new



HWAN316EF

Current setting $I_r + I_n \times \dots$	<b>A</b>	0.4-0.5-0.6-0.7-0.8-0.85-0.9-0.95-1
Time delay at $6x I_r$	<b>s</b>	0.5-1.25-2-2.5-5-10-15-20-25-30
Short circuit $I_s = I_n \times \dots$	<b>A</b>	1.0-1.5-2-2.5-3-4-6-8-10-non
Time delay $T_s 10x I_r - I_{2t}$	<b>ms</b>	20-80-160-260-360-460
Instantaneous trip $I_p = I_n \times \dots$	<b>A</b>	2-3-4-6-8-10-12-15-non

type	thermal adjustment (A)	breaking capacity 415V (rms)	poles	mount	description	frame size
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**Fixed-type air circuit breaker**

**Three pole**

<b>HWAN312EFCZ</b>	500 - 1250	65kA	3 pole	(fixed)	air circuit breaker	A
<b>HWAN316EFCZ</b>	640 - 1600	65kA	3 pole	(fixed)	air circuit breaker	A
<b>HWBS325EFCZ</b>	1000 - 2500	85kA	3 pole	(fixed)	air circuit breaker	B
<b>HWBS332EFCZ</b>	1280 - 3200	85kA	3 pole	(fixed)	air circuit breaker	B
<b>HWBS340EFCZ</b>	1600 - 4000	85kA	3 pole	(fixed)	air circuit breaker	B
<b>HWCP350EFCZ</b>	2000 - 5000	100kA	3 pole	(fixed)	air circuit breaker	C

**Four pole**

<b>HWAN416EFCZ</b>	640 - 1600	65kA	4 pole	(fixed)	air circuit breaker	A
<b>HWBS425EFCZ</b>	1000 - 2500	85kA	4 pole	(fixed)	air circuit breaker	B
<b>HWBS432EFCZ</b>	1280 - 3200	85kA	4 pole	(fixed)	air circuit breaker	B
<b>HWBS440EFCZ</b>	1600 - 4000	85kA	4 pole	(fixed)	air circuit breaker	B
<b>HWCP450EFCZ</b>	2000 - 5000	100kA	4 pole	(fixed)	air circuit breaker	C

**Draw-out air circuit breakers** *supplied complete with cradle and crank handle*

**Three pole**

<b>HWAN312EDCZ</b>	500 - 1250	65kA	3 pole	(draw-out)	air circuit breaker	A
<b>HWAN316EDCZ</b>	640 - 1600	65kA	3 pole	(draw-out)	air circuit breaker	A
<b>HWBS325EDCZ</b>	1000 - 2500	85kA	3 pole	(draw-out)	air circuit breaker	B
<b>HWBS332EDCZ</b>	1280 - 3200	85kA	3 pole	(draw-out)	air circuit breaker	B
<b>HWBS340EDCZ</b>	1600 - 4000	85kA	3 pole	(draw-out)	air circuit breaker	B
<b>HWCP350EDCZ</b>	2000 - 5000	100kA	3 pole	(draw-out)	air circuit breaker	C

**Four pole**

<b>HWAN416EDCZ</b>	640 - 1600	65kA	4 pole	(draw-out)	air circuit breaker	A
<b>HWBS425EDCZ</b>	1000 - 2500	85kA	4 pole	(draw-out)	air circuit breaker	B
<b>HWBS432EDCZ</b>	1280 - 3200	85kA	4 pole	(draw-out)	air circuit breaker	B
<b>HWBS440EDCZ</b>	1600 - 4000	85kA	4 pole	(draw-out)	air circuit breaker	B
<b>HWCP450EDCZ</b>	2000 - 5000	100kA	4 pole	(draw-out)	air circuit breaker	C



HWAN416EDCZ