



## Air circuit breakers



HIAS25F



HIAS16D



HIAS32D



IANS-S2U



IANS-M2U

ACB's supplied standard with:

- shunt trip opening release
- shunt closing release
- auxiliaries 4 x NO + 4 x NC
- spring charged switch
- horizontal rear terminals
- door flange (for ACB cutout)
- cradle and safety shutters (draw-out version)
- standard release APR-1L-GL

**LTD** base current  $I_b$  -  $I_{ct} \times 0.5, 0.63, 0.8, 1.0$   
 overload protection  $I_l$  - current ( $I_b$ ) non-0.8-0.85-0.9-0.95-1.0-1.05-1.10  
 with long time delay  $T_l$  - time( $I_l$ )  $\times 600\%$  (0.5-1.25-2.5-5-10-15-20-25-30 sec)

**STD** selective short circuit protection -  $I_b \times$  (non-2-2.5-3-4-6-8-10)  
 short time delay  $T_2$  - 80-160-240-320-400-480-560 msec  $I_{ct}$  on/off

**INST** instantaneous short circuit trip  $I_3$  -  $I_b \times$  (non-4-6-8-10-12-14-16) 8 steps

**GFT** earth fault protection  $I_e$  -  $I_{CT} \times$  (non-0.1-0.15-0.2-0.25-0.3-0.35-0.4)  
 time delay  $T_e$  - 80-160-240-320-480-560 msec

type	breaking capacity kA rms (IEC 60947-2) 415V		description	price
<b>Fixed type 3 pole (4 pole available on request)</b>				
HIAS12-3F	50kA		air circuit breaker fixed	625-1250A
HIAS16-3F	50kA		air circuit breaker fixed	800-1600A
HIAS20-3F	65kA		air circuit breaker fixed	1000-2000A
HIAS25-3F	65kA		air circuit breaker fixed	1250-2500A
HIAS32-3F	65kA		air circuit breaker fixed	1600-3200A
<b>Draw-out type 3 pole (complete with cradle and shutter gear)</b>				
HIAS12-3D	50kA		air circuit breaker drawout	625-1250A
HIAS16-3D	50kA		air circuit breaker drawout	800-1600A
HIAS20-3D	65kA		air circuit breaker drawout	1000-2000A
HIAS25-3D	65kA		air circuit breaker drawout	1250-2500A
HIAS32-3D	65kA		air circuit breaker drawout	1600-3200A
<b>Accessories</b>				
<b>Shunt trip devices</b>				
IANS-S2*U	180-250VAC		shunt opening release device for	1250-3200VAC
IANS-S3U	380-420VAC		shunt opening release device for	1250-3200VAC
<i>S2* supplied standard with ACB's</i>				
<b>Undervoltage release devices (Instantaneous)</b>				
IANS-U2U	230VAC		undervoltage release device (instant)	
IANS-U3U	380VAC		undervoltage release device (instant)	
<b>Motor operator (Ifor automatic spring charging)</b>				
IANS-M2U	220VAC		charging geared motor operator	
IANS-KL/B			key-lock facility (to lock ACB in "open" position)	
IANS-CK			mechanical operation counter	
IANS-LL			lifting lugs (for easy lifting of draw-out ACB's)	
<b>Mechanical interlock</b>				
IANS-116			mechanical interlock between 2 x ACB's	