

Air Circuit Breaker

Designed for both industrial and marine application, HYUNDAI Air Circuit Breakers have innovated structure, various protection, and reliable performance.

Qualified Standard & Approval

Standard

- ▶ IEC 60947-2
- ▶ EN 60947-2
- ▶ AS 3972-2
- ▶ NEMA PUB NO. SG3
- ▶ ANSI C37.13
- ▶ GOST-R 50030.2-99 9
- ▶ GOST-R 50030.1-2000

Approval

- ▶ ISO 18001, 14001, 9001
- ▶ GOST-R
- ▶ CCC
- ▶ KR, GL, LR, ABS, BV, NK
- ▶ CE (Community European / TÜV Rheinland)
- ▶ KERI

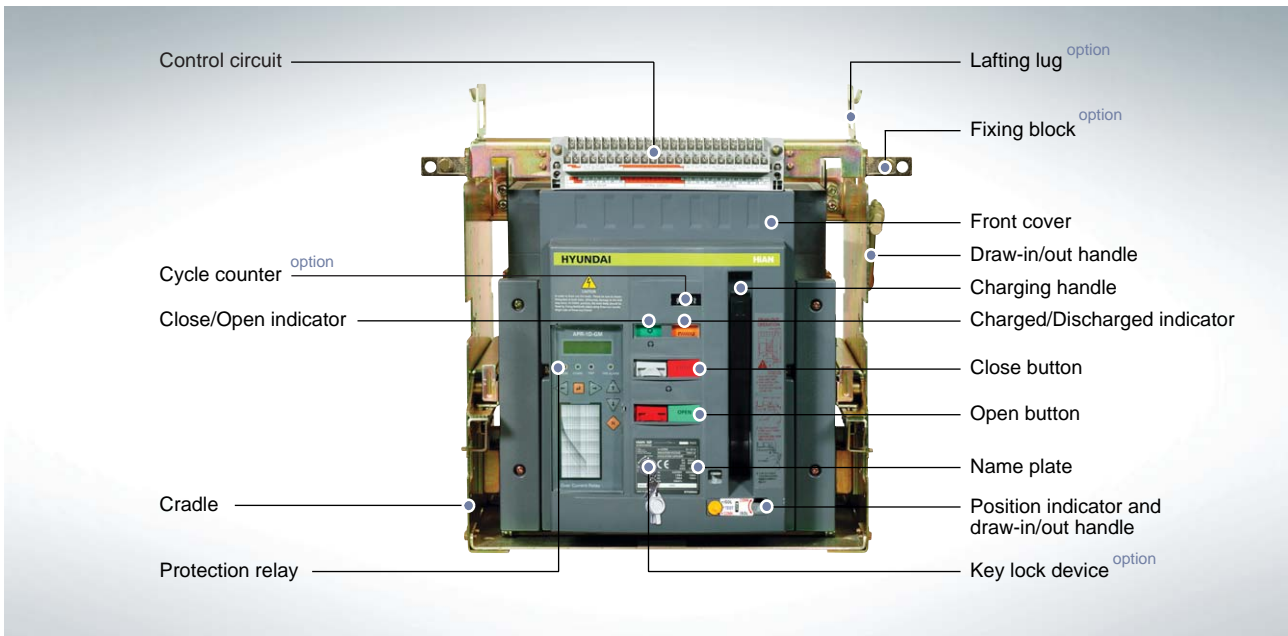


HiAS Type

HiAS Type

Model	HiAS06	HiAS08	HiAS10	HiAS12	HiAS16	HiAS20	HiAS25	HiAS32	
Rated current (A)	630	800	1,000	1,250	1,600	2,000	2,500	3,200	
Number of pole	3, 4								
Utilization category	B								
Rated insulation voltage (Ui) (V)	AC1,000								
Rated operation voltage (Ue) (V)	AC690								
Rated breaking capacity (kA sym) [Icu] with Inst. Icu=100% Ics	AC690V	42	42	42	42	42	50	50	50
	AC500V	50	50	50	50	50	65	65	65
	AC415V below	50	50	50	50	50	65	65	65
Rated making capacity (kA peak) [Icm] with Inst. Icu=100% Ics	AC690V	88.2	88.2	88.2	88.2	88.2	105	105	105
	AC500V	110	110	110	110	110	143	143	143
	AC415V below	110	110	110	110	110	143	143	143
Rated impulse withstand voltage (Uimp) (kV)	8								
Rated short-time withstand current [Icw] (rms)	1 sec	42	42	42	42	42	50	50	50
Rated latching current (kV)		42	42	42	42	42	50	50	50
Total breaking time (sec)		0.03							
Closing operating time	Charging time (sec) max.	10							
	Closing time (sec) max.	0.04							
Weight (kg)	3pole, Fixed type	43	43	43	49	49	60	63	65
	3pole, Draw-out type	65	65	65	72	72	87	92	96
	4pole, Fixed type	51	51	51	58	58	69	76	83
	4pole, Draw-out type	76	76	76	85	85	100	110	120
Dimensions (mm) (3pole, Draw-out type)	Height	459							
	Width	320				410			
	Depth	461.2							

Front View of HiAN and HiAH Type



HiAN and HiAH Type

Model		HiAN06	HiAN08	HiAN10	HiAN12	HiAN16	HiAN20	HiAN25	HiAN32	HiAN40	HiAN50	HiAN63	HiAH32
Rated current (A)		630	800	1,000	1,250	1,600	2,000	2,500	3,200	4,000	5,000	6,300	3,200
Number of pole		3, 4											
Utilization category		B											
Rated insulation voltage (Ui) (V)		AC1,000											
Rated operation voltage (Ue) (V)		AC690											
Rated breaking capacity (kA sym) [Icu] with Inst. Icu=100% Ics	AC690V	50	50	50	50	50	65	65	65	85	100	100	100
	AC500V	70	70	70	70	70	70	85	85	100	120	120	130
	AC415V below	70	70	70	70	70	85	85	85	100	120	120	130
Rated making capacity (kA peak) [Icm] with Inst. Icu=100% Ics	AC690V	105	105	105	105	105	143	143	143	187	220	220	220
	AC500V	154	154	154	154	154	154	187	187	220	291	291	286
	AC415V below	154	154	154	154	154	187	187	187	220	291	291	286
Rated impulse withstand voltage (Uimp) (kV)		8											
Rated short-time withstand current [Icw] (rms)	1 sec	65	65	65	65	65	70	85	85	75	100	100	65
Rated latching current (kV)		65	65	65	65	65	70	85	85	75	100	100	65
Total breaking time (sec)		0.03								0.04			
Closing operating time	Charging time (sec) max.	10											
	Closing time (sec) max.	0.04								0.06			
Weight (kg)	3pole, Fixed type	43	43	43	49	49	60	63	65				
	3pole, Draw-out type	65	65	65	72	72	87	92	96	115	210	230	110
	4pole, Fixed type	51	51	51	58	58	69	76	83				
	4pole, Draw-out type	76	76	76	85	85	100	110	120	135	230	250	130
Dimensions (mm) (3pole, Draw-out type)	Height	490								478			
	Width	320				410				480	984	480	
	Depth	461.2								481			