

HD4-HXA

Gas insulated medium voltage circuit-breaker for auxiliary circuits of electrical plants with high unidirectional components

- Very compact dimensions
- Fixed and withdrawable versions
- Mechanical safety locks to prevent incorrect operations
- Soft quenching without chopping currents
- Fast recovery of the quenching media dielectric properties.
Quenching technique free of re-strike and re-ignition
- Poles sealed for life
- Stored energy operating mechanism with standard anti-pumping device
- SF6 pressure control set (on request)



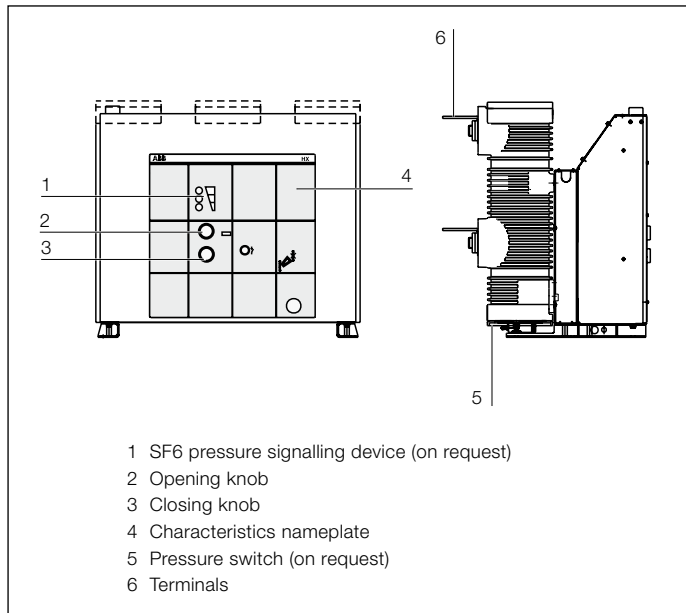
Technical data

Circuit-Breaker		HD4-HXA 12	HD4-HXA 17	
Version	- Fixed	-	•	•
	- Withdrawable for CBE	•	-	-
	- Withdrawable for PowerCube	-	•	•
	- Withdrawable for UniGearr	-	•	•
Rated voltage	[kV]	12	12	13,8
Rated insulation voltage	[kV]	12	17,5	17,5
Withstand voltage at 50 Hz	[kV]	28	38	38
Tensione di tenuta ad impulso	[kV]	75	95	95
Rated normal current (40 °C) ^{(1) (2)}	[A]	1600 - 2500 - 3150	1600 - 2000 - 2500 - 3150	1600 - 2000 - 2500 - 3150
Rated frequency	[kHz]	50-60	50-60	50-60
		31,5 (DC% 100)	-	-
Rated breaking capacity (maximum DC component %)	[kA]	40 (DC% 100)	40 (DC% 100)	40 (DC% 100)
		50 (DC% 50)	50 (DC% 50)	-
Rated admissible short-time current (3 s)	[kA]	31,5 - 40 - 50	40 - 50	40 - 50
Making capacity	[kA]	80 - 100 - 125	100 - 125	100 - 125
Operation sequence		0-3min-CO-3min-CO		
Opening time	[ms]	45		
Arcing time	[ms]	10-15		
Total breaking time	[ms]	55-60		
Closing time	[ms]	80		
Weight fixed version	[Kg]	max 165		
Weight withdrawable version	[Kg]	max 180		
SF6 gas pressure	[kPa]	380		
Technical catalogue (for accessories)	No.	1VCP000004		

⁽¹⁾ Indicative values for UniGear type ZS1 switchboards.

⁽²⁾ Rated service value.

Main components



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