

Product datasheet

Specifications



Vacuum circuit breaker, EvoPact HVX-O, fixed, without frame, 36kV, 1250A, up to 26.3kA

HVX332612WOFRF

Main

Master range	Pact Series
Range of product	EvoPact
product name	EvoPact HVX-O
Switching device	Circuit breaker
Breaking technology	Vacuum
Pole type	Assembled
Number of poles	3
Network type	AC
Type of installation	Indoor
Integration type	Fixed
Variant	Without base frame
Standards	IEC 62271-100:2012
Rated voltage (Ur)	36 kV
Rated short-duration power frequency withstand voltage (Ud) / Common value	70 kV
Rated lightning impulse withstand voltage (Up) / Common value	170 kV
Rated frequency (fr)	50/60 Hz
Rated continuous current (Ir)	1250 A
Rated short-circuit breaking current (Isc)	26.3 kA
Rated short-circuit making current	66 kA 50 Hz
DC time constant (τ)	45 ms
Rated short-time withstand current (Ik)	26.3 kA
Rated duration of short-circuit (tk)	3 s
Rated peak withstand current (Ip)	66 kA 50 Hz
Rated first pole-to-clear factor (kpp)	1.5
Rated line-charging breaking current (Il)	10 A
Rated cable-charging breaking current (Ic)	50 A
Rated single capacitor bank-breaking current (Isb)	400 A
Rated operating sequence	O - 0.3 s - CO - 3 min - CO

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Complementary

Auxiliary contact composition	8 NO + 8 NC
Operating time	<= 45 ms opening < 60 ms closing < 60 ms breaking
Motor charging time	4...12 s
Classification for electrical endurance	E2
Number of operations at short-circuit breaking current	100
Classification for the connection to the network	S1
Classification for capacitive currents	C2
Number of mechanical operations	10000 operating cycles
Classification for number of mechanical operations	M2
Mass	210 kg
Height	1038 mm
Width	750 mm
Depth	568 mm
Phase distance	254 mm
Clearance in air to earth	541.3 mm
Upper lower connection distance	450 mm

Environment

Ambient air temperature for operation	-5...40 °C
Ambient air temperature for storage	-5...40 °C
Humidity conditions	Average relative humidity over 24 h <= 95 % Average relative humidity over 1 month <= 90 %
Operating altitude	Upto 1000 m