

Product datasheet

Specifications



Basic Function Vacuum Circuit Breaker 0-12kV 75kVp 20kA 3s 630A 210 IEC

EXE122006L1B

Main

Master range	Easy Series
Range of product	EasyPact
Product name	EasyPact EXE
Switching device	Circuit breaker
Breaking technology	Vacuum
Product or component type	Circuit breaker
Pole type	Open
Number of poles	3
Network type	AC
Type of installation	Indoor
Integration type	Fixed
Variant	Basic version
Standards	IEC 62271-100:2012
Rated voltage (Ur)	12 kV
Rated short-duration power frequency withstand voltage (Ud) / Common value	28 kV
Rated lightning impulse withstand voltage (Up) / Common value	75 kV
Rated frequency (fr)	50/60 Hz
Rated continuous current (Ir)	630 A
Rated short-circuit breaking current (Isc)	20 kA
Rated short-circuit making current	50 kA 50 Hz 52 kA 60 Hz
DC time constant (τ)	45 ms
Rated short-time withstand current (Ik)	20 kA
Rated duration of short-circuit (tk)	3 s
Rated peak withstand current (Ip)	50 kA 50 Hz 52 kA 60 Hz

Rated first pole-to-clear factor (kpp)	1.5
Rated out-of-phase breaking current (Id)	7.88 kA
Rated line-charging breaking current (Il)	10 A
Rated cable-charging breaking current (Ic)	25 A
Rated single capacitor bank-breaking current (Isb)	400 A
Rated operating sequence	O - 3 min - CO - 3 min - CO O - 0.3 s - CO - 3 min - CO O - 0.3 s - CO - 15 s - CO

Complementary

Auxiliary contact composition	4 NO + 4 NC
Operating time	< 50 ms opening time < 66 ms break-time < 71 ms closing time
Motor charging time	0...7 s
Classification for electrical endurance	E2
Number of operations at short-circuit breaking current	50
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	55 kg
Height	527 mm
Width	594 mm
Depth	429 mm
Phase distance	210 mm
Clearance in air to earth	150 mm
Upper lower connection distance	270 mm

Environment

Product certifications	ASEFA
Ambient air temperature for operation	-25...40 °C
Ambient air temperature for storage	-25...55 °C
Humidity conditions	Average relative humidity over 1 month <= 90 % Average relative humidity over 24 h <= 95 %
Operating altitude	0...1000 m

Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
Package 1 Height	73 cm
Package 1 Width	60 cm
Package 1 Length	80 cm
Package 1 Weight	75.0 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Recommended replacement(s)