

GEIS

SecoMac

Load Interrupter Switch

GEIS Electrical Protection

Safer Smarter Greener



About GEIS

GEIS was established in 2019 following the spin-off of several businesses and assets that ABB had acquired from GE on July 1, 2018, including 3 manufacturing centers, Warehousing & Trading business at FTZ, China Technology Center.

- Components: Full range of circuit breakers up to 40.5kV: Medium voltage vacuum circuit breakers, LV circuit breakers: ACB, MCCB, MCB, RCD, RCBO: Control components.
- Equipment: MV switchgear (Air insulation and Gas Insulation Technology), LV switchgear, switchboard.
- Medium voltage distribution transformer.
- Medium voltage ATS system (Paralleling Switchgear).

After the separation, all the above product lines were rebranded as AEG for selected markets and GEIS for global markets. Moreover, GEIS has expanded its technological portfolio to include medium-voltage controls such as VFDs and soft starters, as well as ATS systems and EV chargers.



Quality is Built-in

Where Technology Meets Manufacturing Excellence for Customers

- Since 2000, we have been specializing in localizing world-class products and manufacturing technologies, developing strong expertise and a highly capable team.
- Vertical integrated Shanghai Manufacturing Center brought key manufacturing processes into a 75,000 m² facility, enabling high-quality, high-efficiency production and fostering innovation. A dedicated R&D team committed to developing products that meet global standards and serve diverse applications.
- Global expansion: GEIS's first Thailand facility makes it easier to serve customers worldwide.



GEIS deliver complete range of products for the evolving electrification needs:



SecoVac VCB



M-PACT Plus ACB



Elfa Series MCB/RCBO



SolidDrive MV VFD



SecoGear MV Switchgear



RMU Gas Insulated Switchgear



WaveCast Transformer



MLS LV Switchgear

SecoMaC Load interrupter switch

SecoMaC Load interrupter switch

SecoMaC load interrupter switch is a general purpose, three-pole, loadbreak switch that offers switchgear owners and assemblers the benefit of an advanced interrupting technology and proven, dependable performance in a compact design.

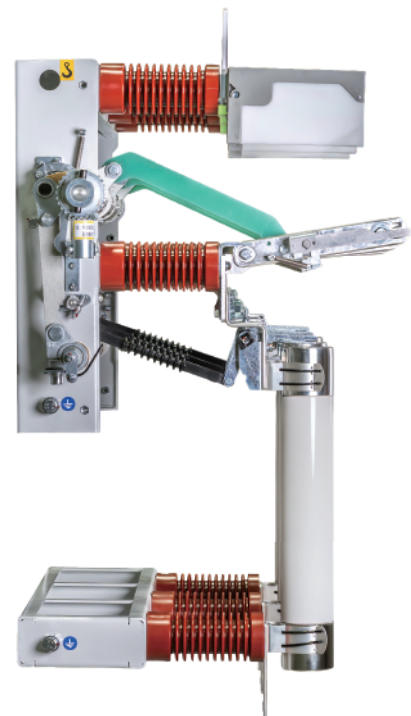
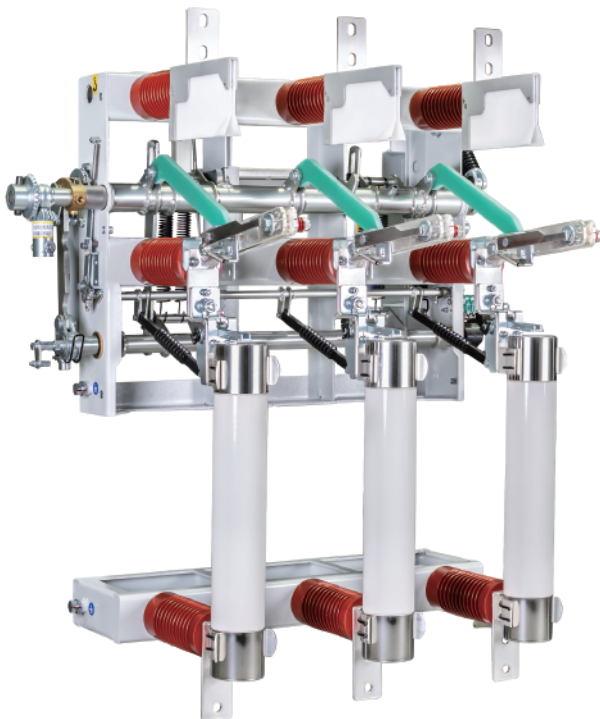
Product highlights

- Unique arc extinguishing system allows for a high number of operations without excessive wear
- Latches are not dependent on gravity, allowing for more flexibility in mounting arrangements
- Tight phase spacing without the requirement for interphase barriers on a majority of ratings
- Compact operating mechanisms available in stored energy or snap action varieties

Applications

The main purpose of the SecoMaC LIS is to interrupt loads and open circuits under normal current. The SecoMaC load interrupter switch has been used in the following applications:

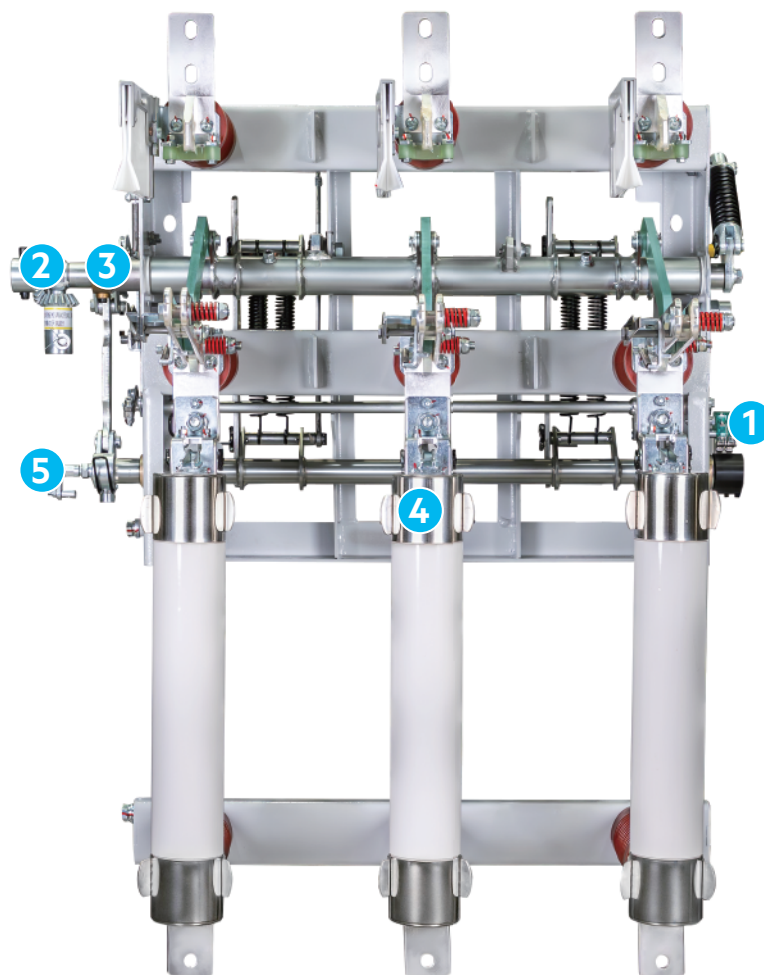
- In transformer and motor protection with the use of fuses
- As a visual disconnect in mining applications
- In pad-mounted switch applications
- In various metal enclosed switchgear configurations such as switch over breaker, duplex, and maintenance bus scenarios



SecoMaC Load interrupter switch

The SecoMac switch includes a heavy-duty steel frame with stand-off insulators, a unique arc-extinguishing system and an operating mechanism. The current-carrying components include blade-type interrupters with cast hinges and jaw connectors.

Optional accessories and features include operating handles, auxiliary switches, grounding switches, fuse bases, mechanical fuse tripping, and multi-functional interlock system.



- | | |
|-------------------------------------|---|
| 1. Auxiliary switch | 4. Fuse base (with fuse trip function) |
| 2. Manual closing/opening mechanism | 5. Cabinet door mechanical interlock device |
| 3. Closing/opening operating shaft | |

SecoMaC Load interrupter switch

Technical Parameters

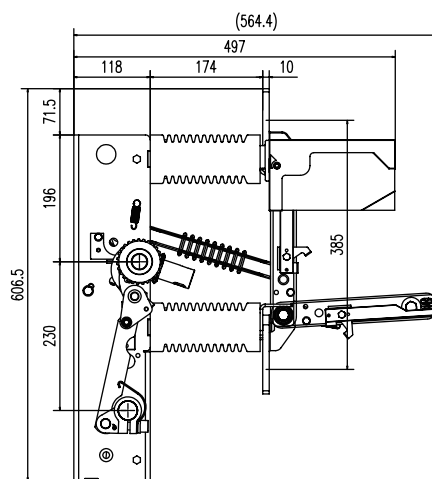
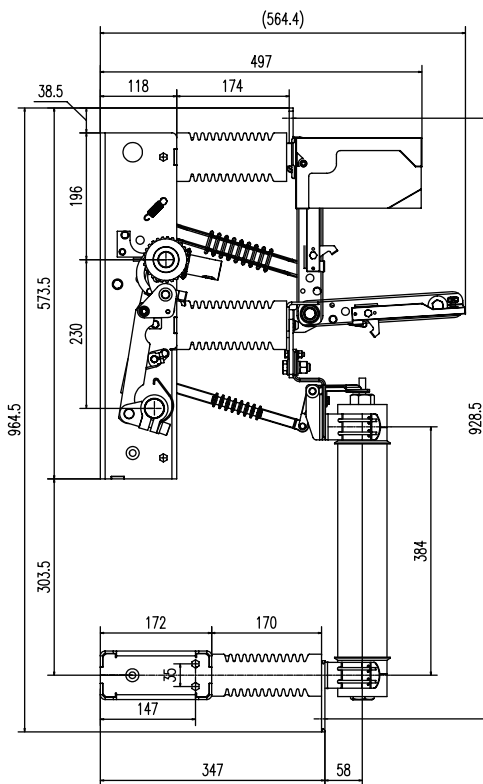
Number	Project		Unit	Parameters
1	Rated maximum voltage (U_n)		kV	15
2	Rated power frequency (f_n)		Hz	50/60
3	Rated continuous current (I_n)		A	600, 1200
4	Rated insulation level (U_{pl} , U_p)			
	1min Rated power-frequency withstand voltage (U_{pl})	Common value	kV	36
		Across the isolating distance		40
	Rated lightning impulse withstand voltage (U_p)	Common value	kV	95
		Across the isolating distance		105
	Rated power-frequency withstand voltage of auxiliary and control circuits		V	1500
5	Rated peak withstand current (I_p)		kA	65
6	Rated short-time withstand current (I_k)		kA	25
7	Rated duration of short circuit (t_k)		s	2
8	Rated load-switching current		A	600, 1200
9	Rated fault-making current		kA	40
10	Rated cable-charging switch current		A	14
11	Rated unloaded transformer switching current		A	21
12	Rated electrical operations		times	100
13	Rated mechanical operations		times	1000
14	Rated supply voltage of closing and opening devices and of auxiliary and control circuits (U_a)		V	AC120, AC240 DC125, DC250

SecoMaC Load interrupter switch

Number	Project	Unit	Parameters
1	Rated maximum voltage (U_n)	kV	15
2	Rated power frequency (f_n)	Hz	50/60
3	Rated continuous current (I_n)	A	600, 1200
4	Rated insulation level (U_n, U_p)		
	1min Rated power-frequency withstand voltage (U_d)	Common value	36
		Across the isolating distance	40
	Rated lightning impulse withstand voltage (U_p)	Common value	95
		Across the isolating distance	105
	Rated power-frequency withstand voltage of auxiliary and control circuits	V	1500
5	Rated peak withstand current (I_p)	kA	65
6	Rated short-time withstand current (I_k)	kA	25
7	Rated duration of short circuit (t_k)	s	2
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Dimension (mm)

Technical drawing of a mechanical assembly, likely a pump or engine component, showing a top view with dimensions. The drawing includes a central horizontal section with three vertical columns. Dimensions are provided in millimeters. Key dimensions include: overall width 857, overall height 928.5, and various internal spacing dimensions like 149.5, 659.5, 609.5, 254±2, 47, 22.5, 90, 67.5, 200, 428, 127, 371, 127, 127, and 6-φ14. A note "8-φ15*20H9/f8" is present near the top left.



GEIS

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