

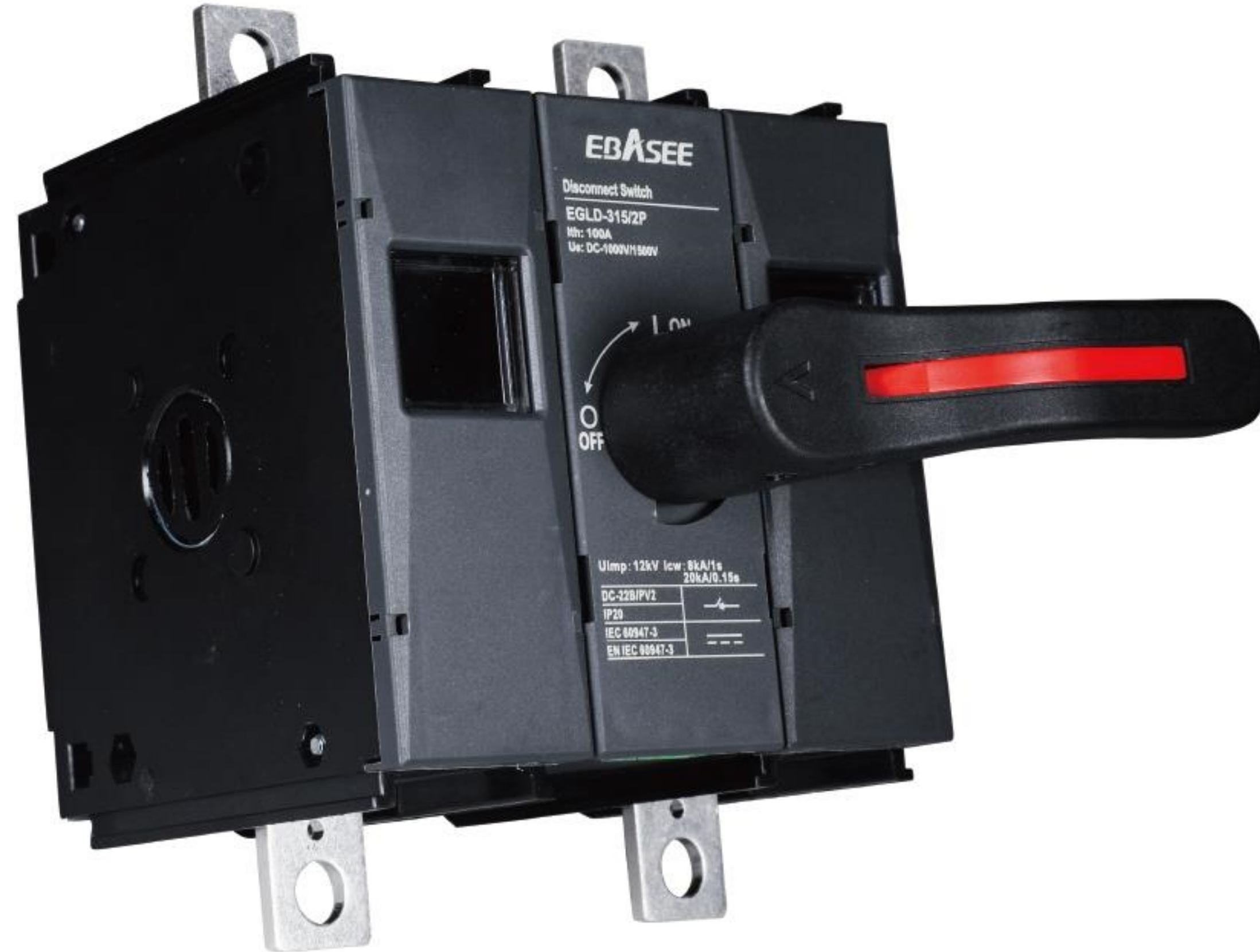
1.General

1.1 Function

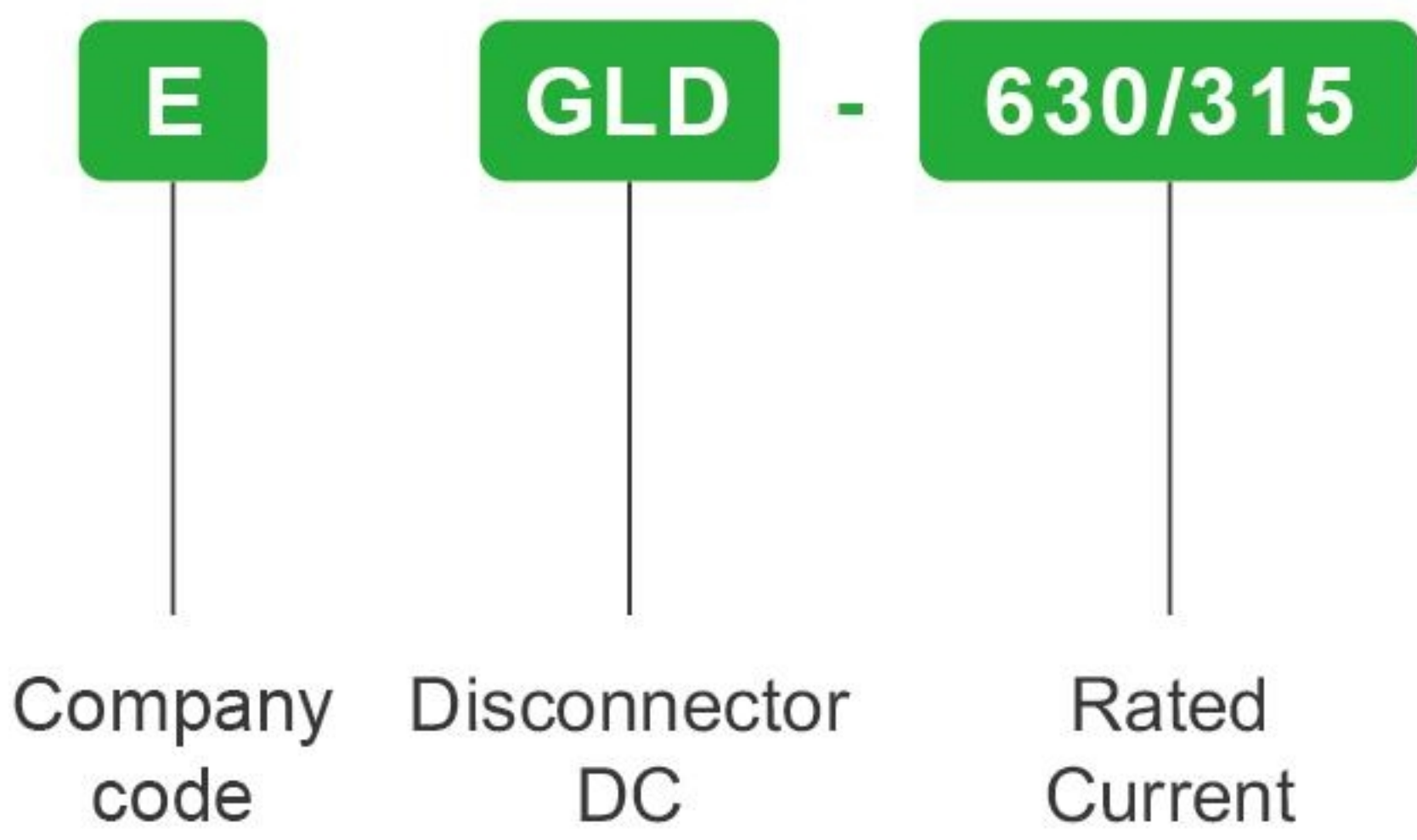
The EGLD series DC disconnectors are suitable for power systems with a rated voltage of DC1000V/DC1500V or below and a rated operating current of 630A or below. The product can be used for infrequent switching on and off, functioning to isolate and interrupt circuits to facilitate equipment maintenance or overhaul. It is widely applied in various industries such as construction, electric power, and metallurgy.

1.2 Design Features

- The contacts adopt a rotating double-end contact structure, ensuring the safe distance of the disconnector, meeting the requirement of reliable isolation, and the contacts have a self-cleaning function.
- Double-spring operating mechanism: The double-spring energy storage mechanism realizes fast switching on and off. The switching effect is not affected by the operator's speed, improving the breaking speed.
- The shell is made of glass fiber unsaturated polyester resin, which has excellent flame retardancy, dielectric properties, anti-carbonization performance, and impact resistance.
- Complies with the latest EU RoHS directive.
- The operating mechanism supports front-side and side-side operation.
- The arc-extinguishing system adopts the arc-extinguishing principle of permanent magnetism to increase arc voltage, improving the breaking performance.



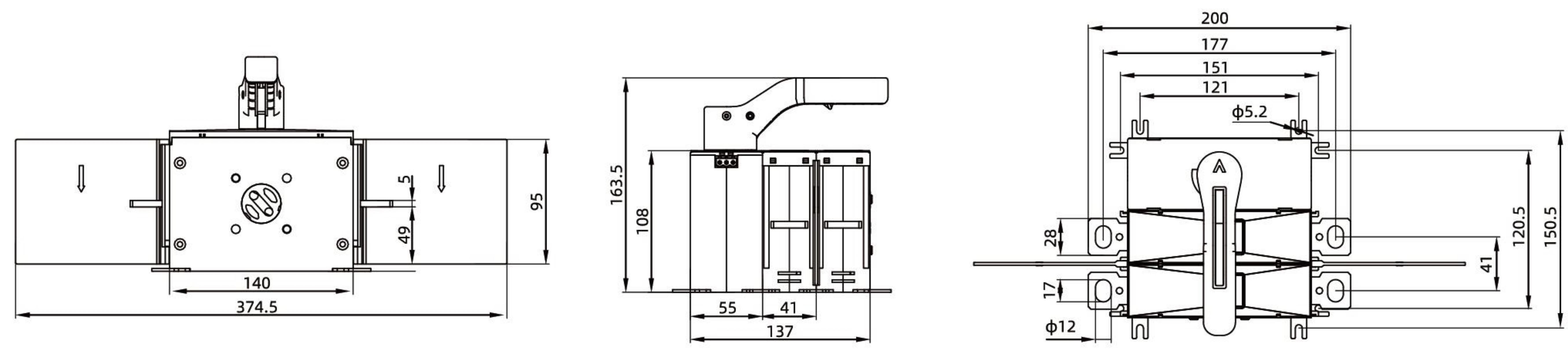
2.Nomenclature



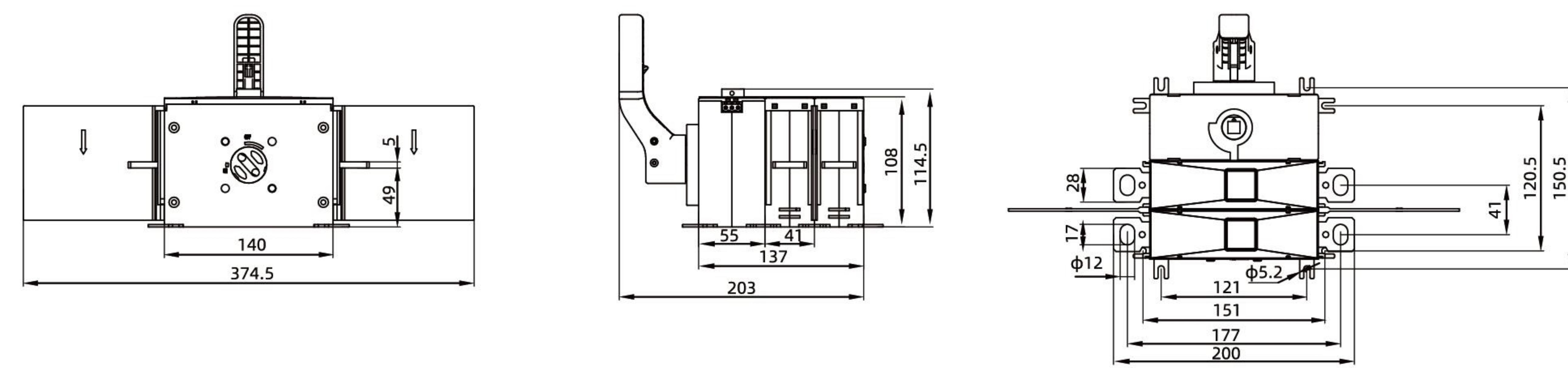
3.Specifications

Standard		IEC 60947-3
Poles		2P
Frame rating current	A	315 / 630
Rated current	A	80, 100, 125, 160, 200, 225, 250, 275, 315, 325, 400, 500, 630
Rated voltage	V	DC1000 / DC1500
Rated insulation voltage (Ui)	V	2000
Rated short-circuit making capacity (Icm)		Frame 315: 10 kA, Frame 630: 20 kA
Rated short-time withstand current (Icw)		Frame 315: 8 kA/1s, 20 kA/0.15s Frame 630: 10 kA/1s, 20 kA/0.15s
Rated impulse withstand voltage Uimp	kV	12
Protection level		Inside cabinet: IP20, Outside cabinet: IP65
Operation mode		Front-side operation / Side-side operation (extended operation mode)
Terminal tightening torque		M8 screw: 6 N·m; M12 screw: 14 N·m
Electrical life		≤315 A: 500 times, >315 A: 400 times
Mechanical life		Front-side operation: 10,000 times Side-side operation: 3,000 times
Service category		DC-22B / PV2
Operating torque		For 315 frame: Front-side operation 4–7 N·mm, Side-side operation 6–11 N·mm For 630 frame: Front-side operation 8–13 N·mm, Side-side operation 12–23 N·mm

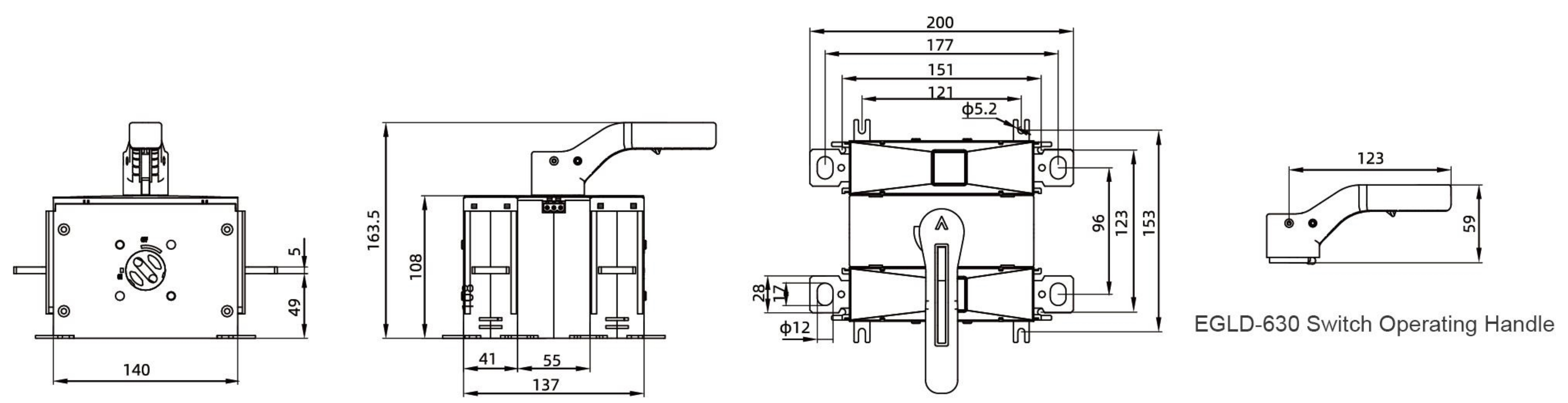
4.Dimensions



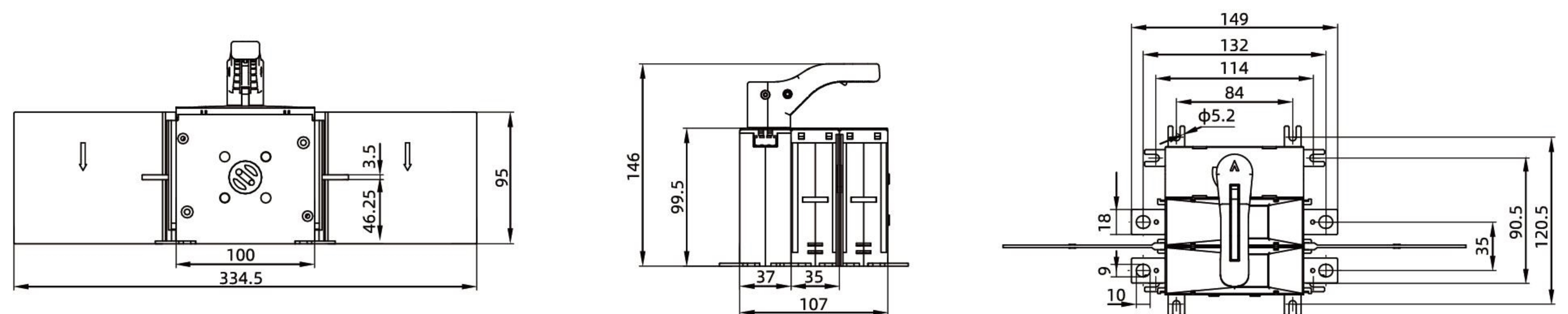
EGLD-630 Front Operated Outline Installation (Open Position)



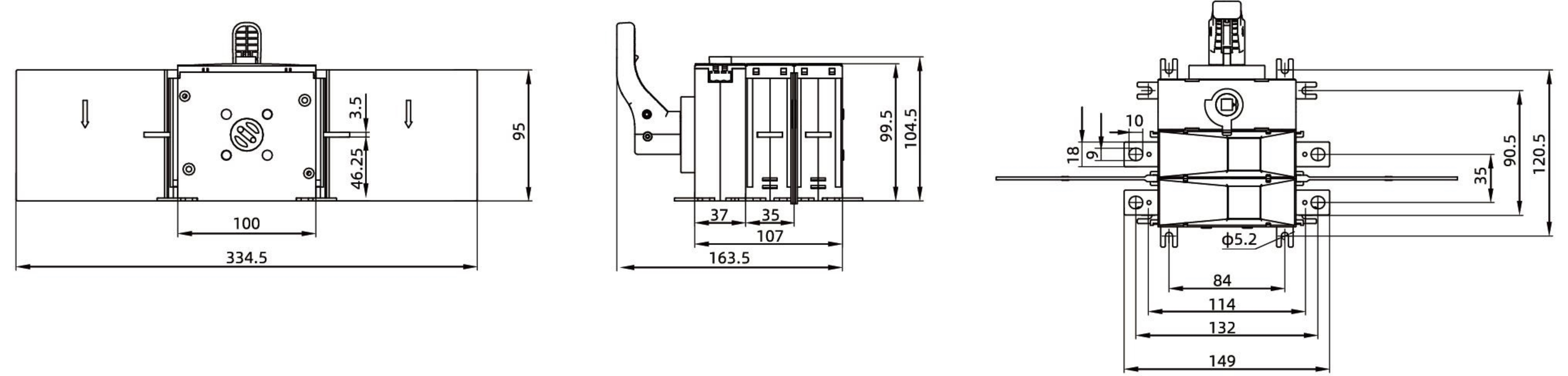
EGLD-630 Side-Side Operation Outline Installation (Open Position)



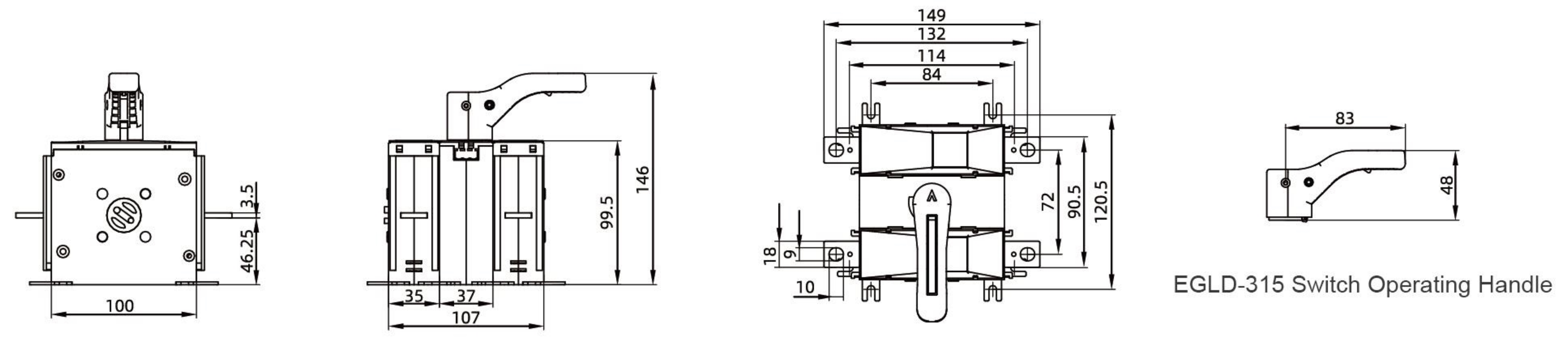
EGLD-630 Front-Side Operation (Mechanism Centered) Outline Installation



EGLD-315 Front-Side Operation Outline Installation (Open Position)



EGLD-315 Side-Side Operation Outline Installation (Open Position)



EGLD-315 Front-Side Operation (Mechanism Centered) Outline Installation