DevPower Lighting and Power Panel

The DevPower Lighting & Power Distribution Board is a low voltage board that brings a building's lighting and socket/small power circuits together in a single switchboard, with group control and energy monitoring functions. It is designed for rated currents of 100–800 A and includes contactor-based group control, time and astronomical relays, residual current protection and fault signaling.

Technical Specifications

Applicable standard	IEC 61439-1, IEC 61439-2; IEC 61439-3 for distribution boards operated by ordinary persons (DBO)
Rated current	100 – 800 A
Main protection	Molded case circuit breaker (MCCB) or switch-disconnector; main switch operated from the front
Outgoing circuit arrangement	Lighting circuits (L1–Ln) and socket / power circuits (P1–Pn) in separate blocks
Group control	Contactors; local switch, time relay, astronomical relay, twilight switch
Building automation	BMS dry contact interface; KNX or DALI integration (optional)
Residual current protection	30 mA on socket circuits; 100/300 mA on lighting and main supply circuits
Surge protection	Type 2 surge protective device (SPD) with backup fuse
Signaling	Phase indicator lamps, fault and alarm lamps, volt-free alarm contact
Measurement	Digital multimeter or energy analyzer; per-group current measurement optional
Emergency lighting	Separately supplied emergency lighting circuits, connection to generator or central battery system
Mounting	Wall-mounted or floor-standing
IP rating	IP41 / IP54
Labeling	Engraved labels with circuit number and location, single-line diagram inside the door

Certification: Design verified to IEC 61439-1 and -2 · ISO 9001:2015 quality management system · CE (Low Voltage Directive 2014/35/EU).