DevBox Sub-Distribution Board

The DevBox sub-distribution board (SDB) is a low voltage switchboard that distributes energy from the main distribution board to final circuits by floor, block, section or machine. Rated 100 – 1600 A, it is built in wall-mounted, flush-mounted or floor-standing enclosures and equipped with molded case circuit breakers, MCBs, residual current devices (RCD) and surge protective devices (SPD).

Technical Specifications

Applicable standard	IEC 61439-1, IEC 61439-2; IEC 61439-3 for distribution boards operated by ordinary persons (DBO)
Rated current	100 – 1600 A
Main protection	Molded case circuit breaker (MCCB) or switch-disconnector; motor operator optional
Outgoing circuit protection	Miniature circuit breakers (MCB), MCCBs, residual current circuit breakers with overcurrent protection (RCBO)
Residual current protection	30 mA (socket and final circuits), 100 / 300 mA (main and lighting circuits); Type AC, A or B
Surge protection	Type 1+2 or Type 2 surge protective device (SPD) with backup fuse
Mounting	Surface-mounted, flush-mounted or floor-standing enclosure
Enclosure material	Cold-rolled (DKP) sheet steel; polyester or stainless steel enclosure option for outdoor use
Door type	Solid, windowed or full-glass; lockable
IP rating	IP41 / IP54 / IP65
Measurement	Digital multimeter or energy analyzer (optional)
Terminals and neutral/earth bars	Separate neutral and earth busbars, numbered terminal groups
Labeling	Engraved label for each circuit, single-line diagram inside the door and circuit list
Spare space	20% free module space for future expansion (on request)

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