

Evolution Distribution Board Specification



CONSTRUCTION:

E43 IP43 is rate tested to AS60529-2004 by TESTSAFE certificate 2009/029318.

1.0 - 1.2mm Mild steel Shell, partially welded construction, colours RAL7035 (grey) and RAL2000 (orange).

E65 IP65 rate tested to IEC529 by DEMKO certificate 92911BTh.

1.6mm Mild steel Shell, fully welded construction, colours RAL7035 (grey) and RAL2000 (orange).

E66 IP66 rate tested to ISO/IEC 17025 by TUV certificate 19401430.001.

1.6mm stainless steel shell, grade AISI 316, fully welded construction.

E43 and E65

Injected polyurethane gasket.

Door hinge: mild steel 1 fixed pin and additional hinges are spring release.

Paint is epoxy polyester powder, semi gloss 50-70%, 60-80 micron.

Cured at 180 degrees celsius.

Twin gland plate with polyurethane gasket.

Standard with 3 IEC steel locks.

Mounting plate : aluminium Zinc 2mm.

Escutcheon : 2.0mm Mild Steel, colour RAL9010 (white).

E66

Injected polyurethane gasket.

Door hinge: hinges are welded stainless steel.

Fully welded structure no gland plate.

Standard with 2 or 3 IEC locks (based on size of enclosure).

Mounting plate : aluminium Zinc 2mm.

Escutcheon : 2.0mm mild steel, colour RAL9010 (white).

CHASSIS:

Base 1.5mm sheet steel.

Copper: 2mm thick for 250A chassis, 3mm thick for 400A chassis.

Withstand rating: Optional 25kA for 0.1 sec. 10kA for 1 sec.

MAIN SWITCH:

IPD Mainswitch 250A 415Vac rated.

Tested for temperature rise withstand 4.6kA for 500msec at 415V AC.

SUPPORT SYSTEM:

Pillars are 12mm A/F bright mild steel bar. Z15 Fe/Zn 8cC (Dichromate passivation).

EARTH AND NEUTRAL BARS:

330A Dual Bars.

Bar cross section: 10mm x 20mm, tunnel terminal: 6mm (16mm² conductor), double feeder fixing M6 hex head bolt, numbering: odds & evens, link 250A rated copper link, neutral link duravin coated.