

**PowerSyntax**  
**CHAIN PILOT BOX**

3 pH + N + E 750amp | 1000Vac | SOURCE

p/n SPB7S5EU-D



- Insert all the cable connectors to activate the breaker or protection device
- All connectors will de-energise should one become disconnected when in use
- Built-in microswitch for electrical interlock on all connectors.

- No mechanical locks / longer lifespan
- Ensures safe connection of all phases, neutral and earth.
- Electrical safety guaranteed.
- International patent on connectors



**2020** New generation enhanced safety box

# PowerSyntax CHAIN PILOT BOX

3 pH + N + E 750amp | 1000Vac | SOURCE

2020

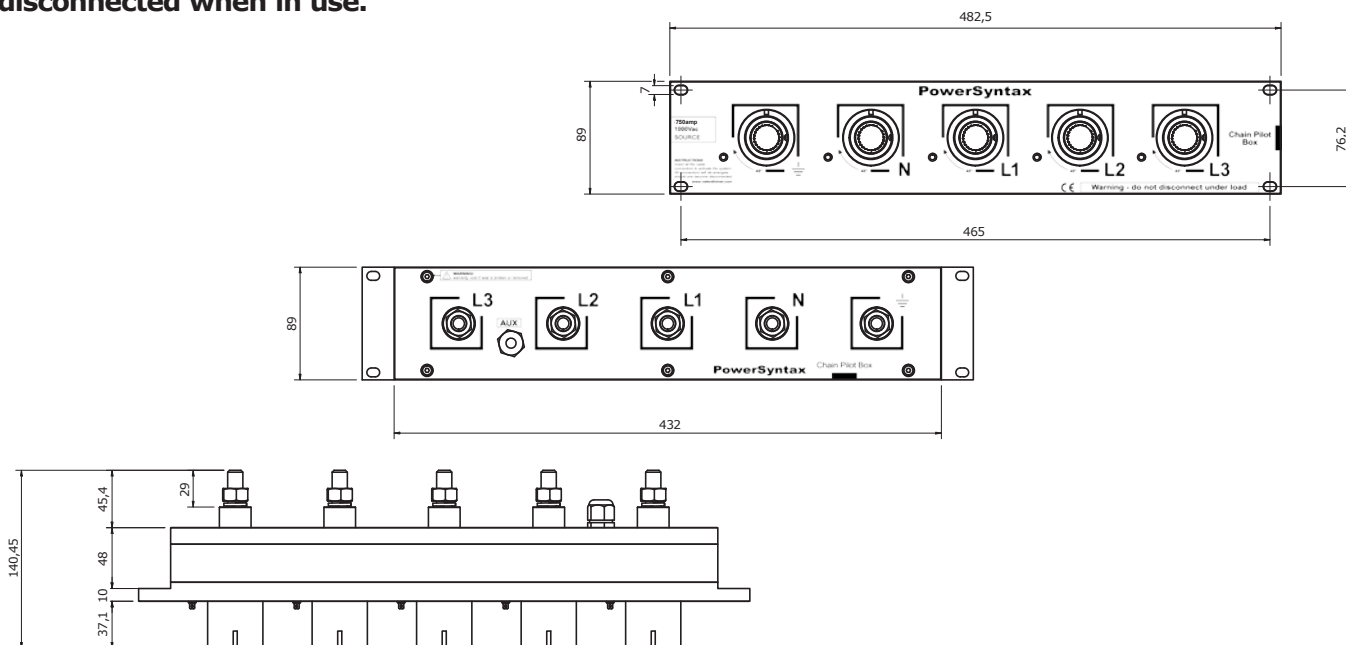
New generation  
enhanced safety box

The 5-pole version of the **PowerSyntax Chain Pilot box** features 5 PowerSyntax Chain Pilot connectors (Earth, Neutral, L1, L2, L3), each with its built-in microswitch.

The connector's microswitches control an auxiliary circuit connected to an external device (breaker, contactor, etc.), so that the system will only be activated once all the mechanically keyed cable connectors have been inserted in the corresponding panel-mount connectors on the Chain Pilot Box.

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**All connectors will de-energise should one become disconnected when in use.**



## Technical features

- Intermateable with standard PowerSyntax or other powerlock-style connectors.
- Microswitch-controlled auxiliary circuit ensures that the system will only be energised when all 5 connectors on the box have been mated.
- Total electrical safety as all connectors are de-energised should one become disconnected.
- EUROPEAN Color coded connectors.
- 5-pole (E-N-L1-L2-L3) system with Panel Source connectors.
- Mechanically keyed connectors to prevent mating errors.
- Secondary lock for added mechanical safety.
- IP2X finger-proof protection.
- 2U 19" rack-mountable box.
- IP67 rating on connectors' front mating side.

## Supply notice

- Environmental caps supplied as a standard to ensure IP67 even when connectors are unmated.
- Supplied complete with 2m of cable H07RN-F 450/750V 2x1 mm<sup>2</sup> for connection to the auxiliary circuit.

## Technical data

- Rated current: 750amp
- Rated voltage: 1000V AC / 1500V DC
- Rated operational voltage: 400V AC 3pH+N+E 50/60Hz
- No. of poles: E-N-L1-L2-L3
- Color coding: EUROPEAN color coded connectors (*E-green, N-blue, L1-brown, L2-black, L3-grey*) source
- Model: source
- Contact material: silver plated copper
- Box material: high temperature thermoplastic
- Endurance: 500 + connection cycles
- Degree of protection (connectors front side): IP67 when mated or with environmental caps fitted (*IP67 caps supplied as a standard*)
- Degree of protection (connectors without caps): IP2X finger-proof
- Flammability rating: UL94 - V0
- Operating temperature: -30°C to +85°C
- Safety notice: The PowerSyntax chain pilot box should only be installed and operated by suitably qualified persons

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