



JUNCTION BOX

POWER INTERFACE UNIT

The SSA JUNCTION BOX is a power interface unit - power distribution system for military mobile facilities. It is deployed between the power source, typically a power generator, and the mobile facility loads, alleviating the need for long and heavy power cables, thus keeping them manageable by field personnel.

Features

- Ten (10) three-phase input connectors
- Sixteen (16) three-phase output connectors protected by 50A hydraulic-magnetic circuit breakers
- Safety Interlock switch
- Meter panel
- Breather/Drain plugs
- Mounted on light tubular frame cart
- Forged eye bolts for lifting and tie-down

Standard Equipment

JUNCTION BOX Power Interface Unit

Optional Equipment

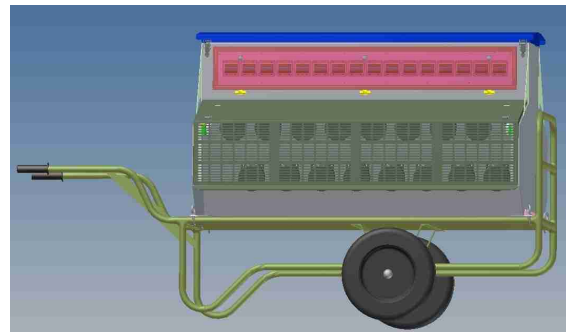
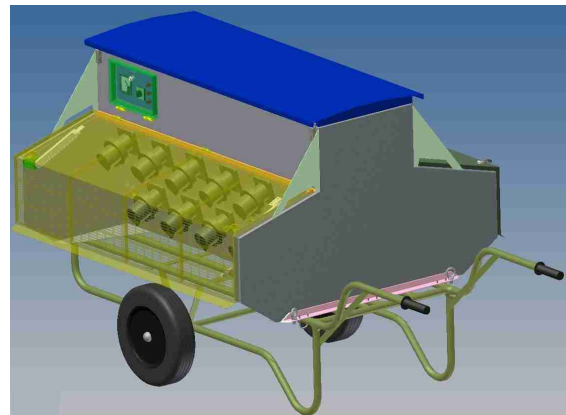
JB CABLE DRUM 50m cable on drum

Application

The JUNCTION BOX is employed when mobile facility loads (shelters, other equipment) need to be remoted from the power generator plant.

Deployment of the JUNCTION BOX, in addition to providing discrete, breaker-protected outlets, helps keep the power cables manageable by field personnel as two persons are able to carry each 50m power cable drum from storage.

The JUNCTION BOX circuitry, breakers and meter are protected by covers offering IP66 protection. Breather – Drain plugs are used to remove internal condensations.



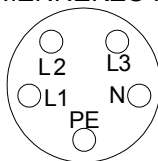
SSA JUNCTION BOX



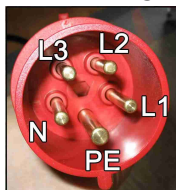
SSA JB CABLE DRUM WITH 50m TERMINATED CABLE

JUNCTION BOX Specifications

Power Input	3-PHASE, 400V/600A max (10 x 60A)
Power Output	3-PHASE, 400V/560A nominal (14 x 40A), 600A ma
Power Input Sockets	MENNEKES INLET 3-phase, 63A IEC 60309-1-2, IP 67.



Power Output Sockets	MENNEKES RECEPTACLE 3-phase, 63A IEC 60309-1-2, IP 67
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Breaker Switches	ETA 3-phase, 50A magnetic - hydraulic breaker switches, insulation resistance > 100 MΩ, IEC 60934 series E, UL 489Z, UL1077.
Voltmeter & 3-phase switch	MERLIN GERIN VLT, 0-500V, NF C 42-010 – IEC 414 MERLIN GERIN CMV, AgNi contacts
Interlock Switch	OMRON , D4B-1111N, IP 67.
Operating Temperatures	-40°C +80°C -25°C +50°C (Voltmeter / switch)
Ingress Protection	IP 66 (all covers closed) IP 65 (switch cover open)
Moisture Control	Increased Safety Ex e II, IP 66 breather/drain plugs
Physical	Mounted on cart: 1376x1208x2250 mm (WxHxD), 250kg
Applicable standards and recommendations	MIL-STD-810F MIL-STD-889B MIL-STD-1472F MIL-HDBK-454A

List of Services Offered

Training	Operating and Maintenance Personnel.
Pre-Installation	Application planning, installation study.
Installation	Installation, Setting to work.
Post-Installation	After sales technical support.



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