D112.0904

TECHNICAL SHEET
2024.03

PRB-3F (3x3) Switchgear for three-phase, Portable Shunt, 250 A

PHOTOS

Product compliant with the requirements of: EN 61439-1:2011, EN 61439-4:2013

Rated operational current	**200 A**
Continuous current ½ h (with 200 A clamp)	**250 A**
Rated operational voltage	**690 V/AC 250 V/DC**
Rated insulation voltage	**500V/DC**
Rated impulse withstand voltage	**8 kV**
Short-time withstand current	**6 kA/0,5 s**
Maximum fuse links	**250 A**
Size of fuse links	**NH 1**
Weight (without fuse-cartridge and insulated connecting conductors)	**9 kg**
Permissible ambient temperature	**(-25 ÷ +55) °C**
Mechanical durability	**1400 cykli**
Connection cable set (standard)	**D112.2006 – 6 pcs ***

***** Or other set of cables on customer's request. Due to the continuous development of the product, the appearance of the product may slightly differ from the one shown in the photos.

CHARACTERISTICS

Three single-pole *VARIUS* fuse switch disconnectors type FH1-1A manufactured by OEZ placed in a thermosetting housing type OTU 40/40 manufactured by JAKMET, protection level IP 44.
OMERIN's SILICOUL 1,1 kV connection cable set, 2 m long, to be connected to the input and output sockets of the disconnector makes it possible to shunt parts of straight circuits with loads up to 250 A.
The D112.0904 shunt device has three 200 A input socket and three 200 A output sockets.

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APPLICATION

The switchgear with cables forms a shunt device, which used when working with AC voltages up to 500 V, on switchgear devices. Shunt device designed for shunting parts of electrical circuits to be dismantled, to be replaced or repaired, while maintaining the continuity of the current flow in the circuits.

STORAGE AND MAINTENANCE

Store the shunt device in dry rooms, in a non-chemically aggressive atmosphere and protect it from sunlight. Cover the input and output sockets with a protective cap. Clean dirty housing parts, cables and insulating parts of sockets and terminals with a dry cloth. In case of heavy dirt, clean the elements of the device with a cloth dampened with ASOREL and dry thoroughly.
To clean and maintain conductive parts of sockets, terminals and the device, use process oil that displaces moisture and improves electrical conductivity.

EXAMINATION

Before each use, the portable shunt device should be visually inspected:

- technical condition of the device, completeness and functionality, durability of fastenings,
- condition of current paths - stability of screw connections,
- the technical condition of the input and output connection sockets,
- the technical condition of the connection cable terminals.

Replace damaged (cracks) or excessively worn (deformation, signs of overheating) components with new ones. Perform periodic tests as recommended in the "D112.0904, D112.0905 and D112.0906 Insulated Portable Shunt Devices Multi-pole" operating instructions.

CAUTION!
In case of doubt after visual inspection, the disconnector should be repaired or taken out of service for live work.

FREQUENCY TESTS

For check and periodic inspection to be carried out in according to table.

	CHECK	PERIODIC INSPECITON
Who	Team Leader / Foreman	Supervision
When	Before each use	Annually*
How	Visually (visual inspection) and manually (correct operation)	Visually (visual inspection) and manually (correct operation)

**Unless instructions say otherwise*

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