## **Switch Fuses DIN and NFC-Standard**

### **Selection Table**

Brochure OESA 2DIN GB 99-12

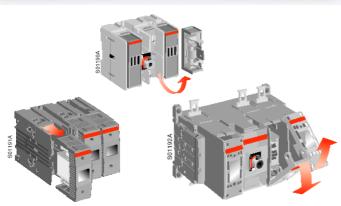


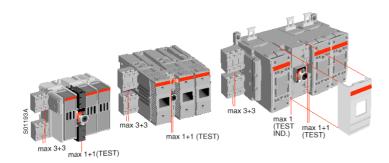


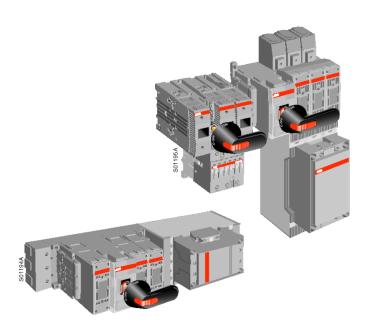


## Powerline OS switch fuses 20...160A, 690 V











# Unique patented design for the 21st century

### **Total user safety**

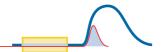
- Fuse carriers fully IP 20 protected
- Fuse covers cannot be opened while the switch fuse is in the ON position
- Patented, operator-independent quick make/ quick break mechanism
- Fuse links are isolated on both sides of the fuse
- Fully-protected construction, IP 20, in types OS 20-63 for both cable terminals and fuses, optional IP 20 terminal shrouds in OS 160 types

### **Auxiliary Contacts**

- Compact and costsaving
- Auxiliary contacts with simple snap-on mounting
- All blocks IP 20 protected
- Test function easy and quick commissioning
- N.O. contacts with positive opening feature

#### **Flexible Mounting**

Easy to adapt for different applications



# Easy selectivity and standardisation with switch fuses

Selectivity is easily achieved with different fuses. The low cut-off current and energy of standard fuses allow for a minimum size of contactor and overload relay to be used in type 2 co-ordinated motor starters. This leads to cost and space saving as well as better standardisation in large motor starters.

Selectivity is assured, by maintaining a minimum ratio (1.6:1) of fuse amp. rating between up the upstream and downstream fuse.

## Increased safety and versatility

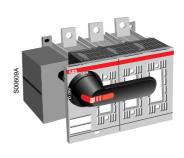
- · Compact size
- Visible contacts
- · Mechanical and electrical interlocking
- All live parts are protected with snap-on mounting fuse cover and terminal shrouds
- Aluminium cable can also be connected directly into the switch terminal by means of space-saving Al/Cu clamps
- Double break contacts for safe fuse replacement
- Remote control by motor operator

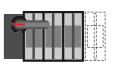
### Patented contact construction

The contact uses magnetic attraction forces in an innovative iron circuit in fault level situations. High breaking and making capacity even at 690 V is achieved, so the derating on motor duty is minimal. The wiping effect of the contacts guarantees long thermal stability in both the chemical industry, and tropical climates. Not only is the switch fuse maintenance free, it also has a long electrical lifetime, despite the circumstances.

## Powerline OESA Switch fuses 250... 800A, 690V





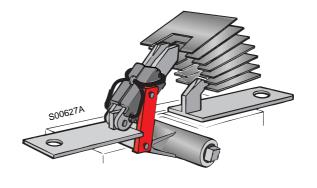


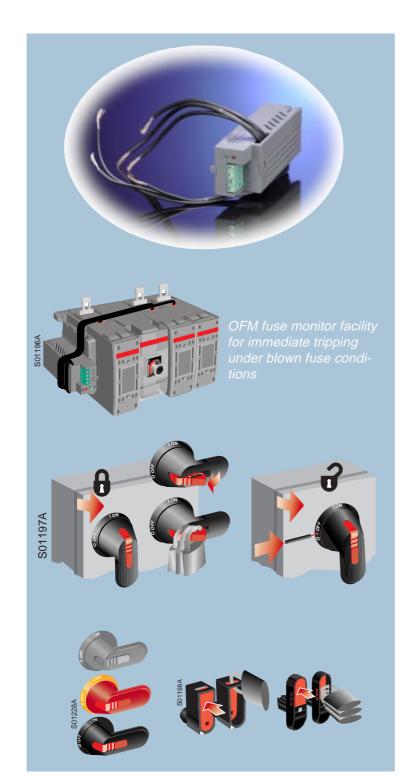












### **Fuse Monitor**

- No danger for 2-phase motor loading, prevents unsafe neutral voltages
- Operates with all standard fuses; striker-type fuses are not required, thus reducing overall costs
- No need for external supply voltage
- Wide voltage ranges, 380-690 VAC and 100-260 VAC, +/- 10%
- · Safe and reliable
- EMC tested
- Fuse monitor is automatically reset after the blown fuses have been replaced
- One trip contact, one alarm contact, and LEDs (red and green)
- Full operational ability even with phase imbalance
- Compact size
- Snap on mounting for OS switch fuses

### **Handles**

- External front or side operated IP 65 handle with an adjustable shaft.
   Available in three colours: black, yellow/red and grey
- Optional switch-mounted handle for OS-types (mounting behind the door) also enabling the use of switches padlocked in the OFF position together with an external handle
- Defeatable door interlocking, even with IP 65 protection class
- The door cannot be opened if switch is padlocked in OFF position
- Handle can be padlocked in OFF position with three padlocks, thus preventing door from opening, and closing circuit during maintenance
- Handle can only be padlocked in OFF position if all contacts are totally open

The technical data and dimensions are valid at the time of printing. We reserve the right to subsequent alterations.





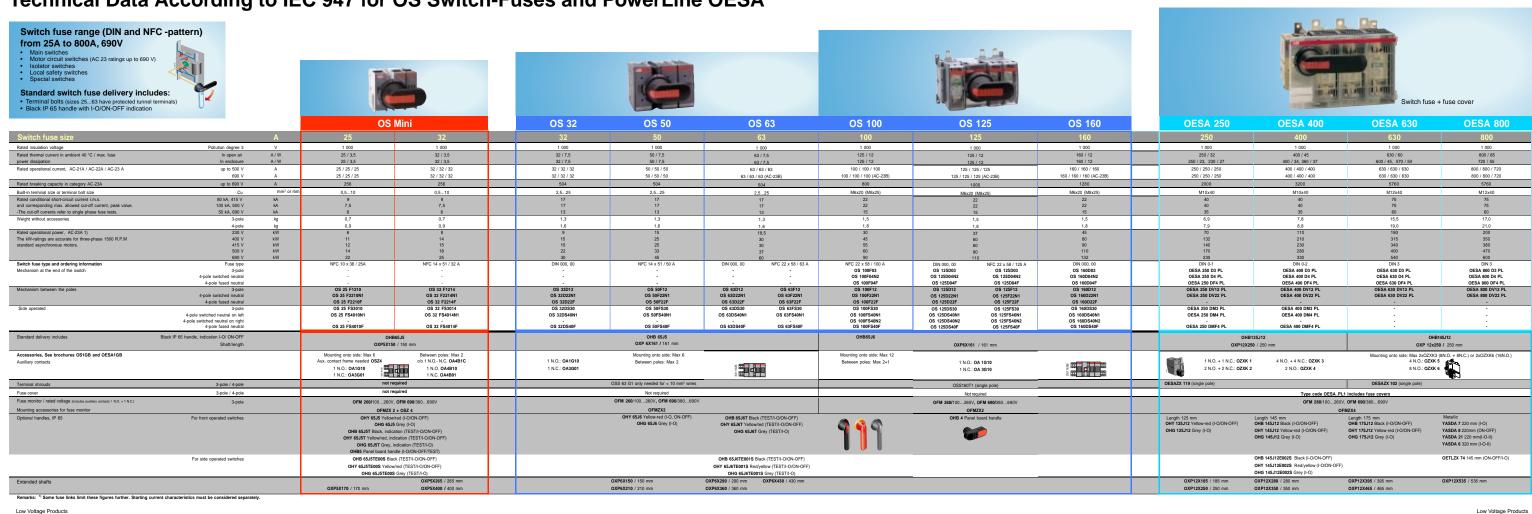
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### Technical Data According to IEC 947 for OS Switch-Fuses and PowerLine OESA



Low Voltage Products

Low Voltage Products