Fireman switch
Enclosed switches

The fireman switch is a switch-disconnector/isolator for special applications. You can see these switches on the outside wall of commercial buildings. They are designed to be easy to spot and are used by firemen to turn off neon-lighting or other hazardous electrical equipment in case of fire.

Features and benefits
The enclosure is made of non flammable material. It is painted red in order to be easy to spot. The on and off positions are clearly indicated on the front side with “I” and “O”. The operating handle is designed in such a way that a fireman-hook or axe can be used to switch off. To reset a so called “two hands grip” must be used. The interlocking mechanism prevents accidental manoeuvres.

• Robust & reliable design in non flammable material (Aluminum).
• Operating handle locked in “O” position and a two hands grip to reset for safety reasons.
• Easy to install and to operate. Possible to add on an auxiliary contact.
• Complies with IEC 60947-3 and BS7671.

General Technical Data
Degree of protection: IP65
Material: Aluminum alloy (silumin)
Additional technical data: See technical catalogue for enclosed switches, 1SCC340009C0201

Ordering details

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*) Auxiliary contact included
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Installation/Wiring

The Fireman switch is used for the breaking of the low voltage circuit of exterior and interior signs and luminaries installations e.g. neon signs for AC.

The Fireman switch can also be used to operate the under voltage release or shunt trip in the main incoming breaker. If there is a fire in the building, the fireman uses an insulated rod (Firemans axe) to pull the handle to O position which isolates the utility supply to the building.

- The under voltage release is fed through one of the main contacts of the Fireman switch. When the voltage is removed, the breaker trips.

- The shunt trip is fed through N/C auxiliary contact. When the Fireman switch closes, the auxiliary contact opens, giving power to the shunt trip which trips the breaker.

The O position of the handle (vertically up or vertically down) may be specified in national wiring regulations. ABB Fireman switch can be used both ways.

For more information please contact:

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