

# MBU-M18

## Mortar fuzes

Mortar proximity fuze MBU, M18 is mechanical-electronic fuze with the interrupted initial train and safety mechanism based on the clock mechanism. It is battery powered mortar proximity fuze which provides high and near surface proximity function and impact function.

#### **PURPOSE**

The fuze is intended for assembling high explosive and smoke mortar shells of all calibers. The fuze has three function modes as stated below. Function mode selection is done by means of contactless fuze setter. When set to the proximity mode, it is activated on the fall trajectory. The connecting measures are in accordance with the NATO standard.

#### TECHNICAL DATA:

 Safety as per STANAG 4157 and MIL-STD-331C

 Arming inertia type

· Low - explosive train interrupted

• Function modes:

- PD SQ

- Proximity (burst height from 2 m to 5 m)

 Acceleration from 400 g to 13000 g

Drop safety

· Moisture proofness at 1 bar pressure

 Fuze mass 350 g · Detonator charge mass 13,2 g · Fuze length max. 133 mm · Fuze length entering the shell max. 28 mm Fuze connecting thread 1,5"-12UNF-1A

· Maximum fuze diameter 49 mm

### **FUNCTIONAL DATA**

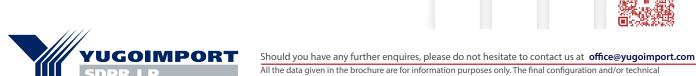
• Muzzle safety at initial velocity 68m/s min. 70 m -40°C to + 63°C • Temperature range of use

-54°C to + 71°C • Temperature range of storage

• High safety during handling, transportation and storing. Environment test as per MIL-STD-331A

• Usage period is minimum 10 years under prescribed keeping and storing conditions.





specification are defined for each contract individually

