



SESAM

**STANDARDIZED ELECTRONIC
SAFE AND ARM MODULE**



SAFETY. INNOVATION. RELIABILITY.

SESAM

STANDARDIZED ELECTRONIC SAFE AND ARM MODULE

LEEFI E-SAD for Loitering Munitions / One-Way Effectors / Missiles. SESAM is a lightweight, miniaturized, and reliable solution for a wide range of applications requiring a high level of safety. SESAM is compatible with a wide range of carriers and is capable of initiating a broad spectrum of explosive materials.

FEATURES

- Electronic Safe and Arm Device (E-SAD)
- Low Energy Electric Foil Initiator (LEEFI) technology
- Arming sequence is controlled by softwares
- Fast re-safing capability
- Able to withstand a large number of arming / disarming cycles
- Late arming capability for enhanced safety
- Arming status indication
- High power explosive output
- Arming sequence:
 - 2 external signals
 - 1 external signal + detection of an acceleration
- Triggering signal: 1 external command or internal on-board accelerometer detection

PRODUCT OVERVIEW

- Compliant to STANAG 4187
- STANAG 4560 compliant detonator
- STANAG 4170 compliant explosives (secondary High Explosive)
- Chemical compatibility according to STANAG 4147
- Safety and suitability assessment according to STANAG 4157
- Safety softwares compliant to DO 178 / DAL C
- ITAR free & REACH compliant
- Standard USB-C connector
- Enhanced safety during storage, transportation and operational use
- Excellent resistance of the high explosive material to very high temperatures (> 200 °C)
- E-SAD compatible with all Insensitive Munitions objectives

JUNGHANS Microtec GmbH

Unterbergenweg 10
78655 Dunningen-Seedorf
Germany

Phone +49 7402 181-0

JUNGHANS T2M SAS

Route d'Ardon
45240 La Ferté-Saint-Aubin
France

Phone +33 2 3851-6422

www.junghans-defence.com

info@junghans-defence.com

A Diehl and Thales company

Dimensions

Weight	100 ± 10 grams
Overall height	Max. 20.0 mm
Diameter	Max. 65.0 mm

E-SAD Characteristics and Performance

Supply voltage	[20V; 52V]
Cycle time for start-up and arming	< 1 s
Maximum altitude	16,500 ft
Protection	IP 67
Operational temperature range	-46 °C to +63 °C
Storage temperature range (short term)	-54 °C to +71 °C
Shelf life	Designed for 15 years

STANDARD PACKAGING

- Shipping classification: UN0367, Class 1.4S

**For more information
please visit our website**

You are also welcome to write us an email:
info@junghans-defence.com

