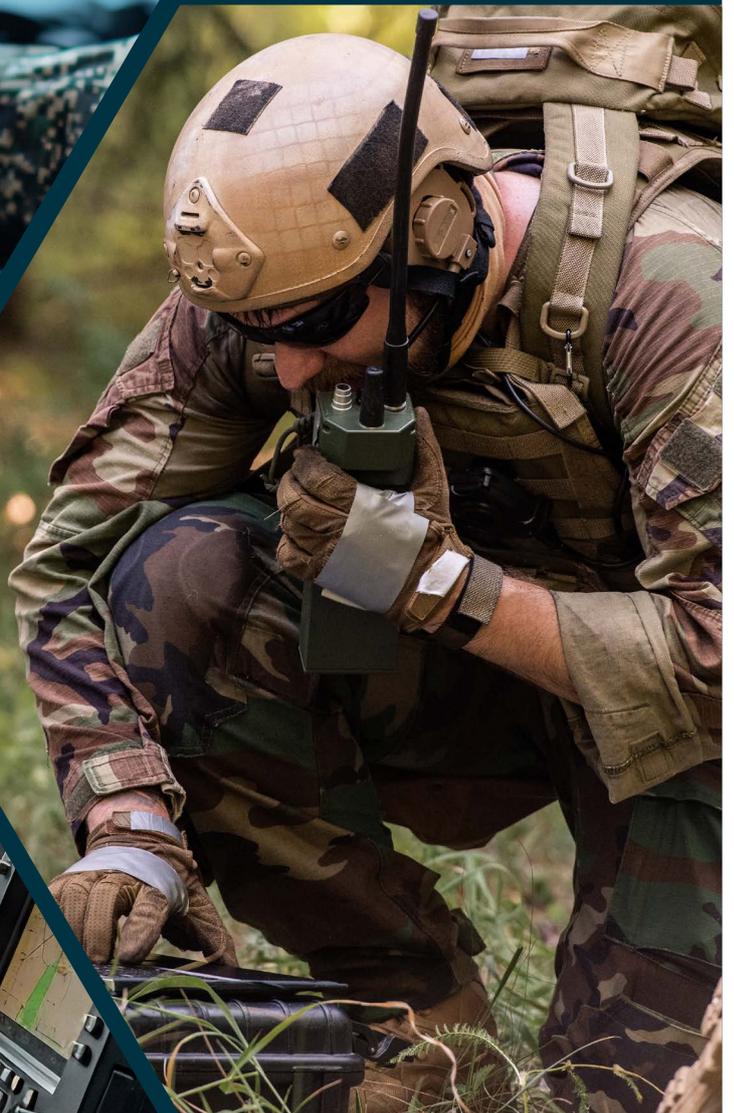


RAFI

STANDARD HMI PRODUCTS FOR DEFENCE APPLICATIONS

ROBUST, HIGH-PERFORMANCE, AND RELIABLE OPERATING
ELEMENTS FOR EXTREME OPERATING CONDITIONS



rafi-group.com

RAFI – YOUR RELIABLE PARTNER FOR DEMANDING DEFENCE APPLICATIONS

For over 125 years, RAFI has embodied innovation, precision, and quality in the development of HMI solutions. Our operating elements are in use around the world – in industries ranging from medical technology and aviation to Defence. This versatility reflects our core expertise – delivering robust, long-lasting, and smart solutions for every application.

YOUR ADVANTAGES AT A GLANCE:

- **In-house development & production in Germany and Europe:**
Maintenance of control over quality, supply chains, and technical development
- **Long-term availability:**
Availability of spare parts is ensured for decades
- **Robustness & quality:**
Ability of components to withstand vibration, shock, moisture, dust, and extreme temperatures
- **Proven supply chains:**
Consistently reliable delivery and partnership-driven collaboration with Defence-sector clients
- **Reliability:**
Our components comply with industry-specific regulations and meet rigorous quality standards
- **A broad portfolio of certified HMI solutions:**
Adaptable to a wide range of requirements

APPLICATIONS IN THE DEFENCE SECTOR

Vehicles & mobile platforms:

Key switches for system control in cockpits, emergency stop buttons in control consoles, and operating elements for communication systems.

Ships & submarines:

Waterproof operating elements, corrosion-protected key switches in control consoles.

Communication systems:

Micro-switches for radio control, operating elements in control panels.

Weapon systems & fire control systems:

Safety-relevant switches, labeled operating elements.

Personal equipment:

Micro-switches in protective clothing, glove-operated switches.

Avionics:

Micro switches on PCBs for reset, calibration, and safety functions.



PORTFOLIO

With our certified standard product portfolio, we meet a wide range of requirements in Defence applications. RAFI standard products are engineered for use under extreme conditions, offering an extended temperature range, excellent tightness, and tested resistance to shock, impact, and vibration. Thanks to their long-life design, they ensure reliable functionality, even under challenging environmental conditions.

MICRO-SWITCHES

MICON and RACON series – ideal for compact solutions on PCBs.

- Service life of up to 1 million cycles
- IP degree of protection of up to IP 67
- Temperature range of -40°C to +125°C



MICON 5 S / SL



MICON 5 SAFETY



RACON 8 / 12 ST

INTEGRATED PCB KEY SWITCHES

RF 15/RF 19 – for applications that enable flush integration.

- Service life of up to 1 million cycles
- Temperature range of -25°C to +70°C



RF 15



RF 19

PUSHBUTTONS

RAMO series – versatile with enhanced IP degree of protection on the front and rear.

- Service life of up to 500,000 cycles
- IP degree of protection of up to IP 69
- Temperature range of -40°C to +85°C



Mushroom pushbuttons



Pushbuttons



Emergency stop



Signal lamp



Selector switches



Keylock switches

CONTROL COMPONENTS

RAFIX series – robust control elements for control panels.

- Service life of up to 1 million cycles
- IP degree of protection of up to IP 69
- Temperature range of -40°C to +85°C



Mushroom pushbuttons



Pushbuttons



Emergency stop



Signal indicator



Illuminated selector switch



Keylock switches

TALK TO US ABOUT YOUR DEFENCE APPLICATION

Whether communication, control, or safety-critical systems, RAFI delivers the right HMI solution for every need. Benefit from years of experience, technical expertise, and a comprehensive portfolio of precise, durable, and reliable standard HMI products.



Details can be found
in the eCatalog

RAFI GmbH & Co. KG

A RAFI Group company
Ravensburger Str. 128-134, 88276 Berg, Germany
T +49 751 89-0, F +49 751 89-1300
rafi-group.com, info.headquarters@rafi-group.com

