

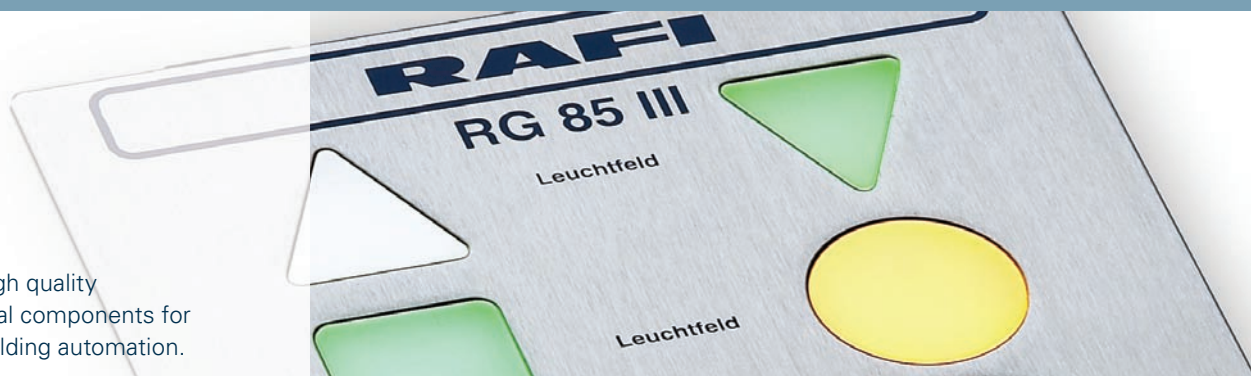
Components and Systems for Elevators and Building Automation



STANDARD COMPONENTS

inputs and displays for elevators

RAFI supplies high quality electromechanical components for elevators and building automation.



Short Travel Keyswitches for PCB Mounting

RAFI short travel keyswitches MICON, RACON or RF 15/19 for use in input systems under overlay or keycaps. Short travel keyswitch RF 19 with 1 normally closed and 1 normally open contact, e.g. for Alarm Button.



RAFI short travel keyswitches



Example application: short travel keyswitch RACON with plunger in low profile keyboard

Vandal Protected Short Travel System RG 85 III

Pushbuttons, keyswitches and displays with border and symbol illumination, round or square. Connection via 8-pin Micro-Match socket connector. Modular mounting system with rails or individual fixing.



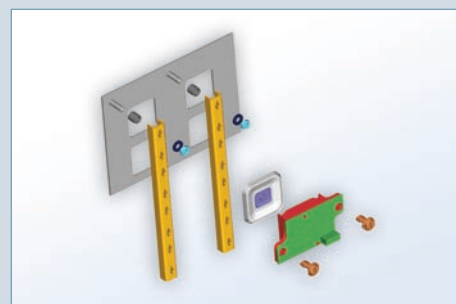
Sample panel RG 85 III



Keycaps with 3D surface in accordance with EN 81-70



Single element RG 85 III, without keycap



Easy mounting system

A complete overview of our components can be found in our catalogue "Electromechanical components" or in our online catalogue at www.rafi.de



STANDARD COMPONENTS

inputs and displays for elevators



Control Units

RAFIX 16, 22 FS and 22 QR, robust control units for various applications.



Control unit family RAFIX 22 FS, installation depth of only 9.2 mm possible



Example application: inspection control unit with RAFIX 22 QR

Signal Lamps

Signal lamps and luminous fields in various colours and shapes with integrated LED or with lamp fittings.



RAFIX signal lamps



Signal lamp with LED

Keyswitches

Various functions, shapes and connection versions, e.g. authorisation keyswitch with different switch positions per key.



Authorisation keyswitch



Keyswitch LUMOTAST 75



CUSTOMISED COMPONENTS

especially for your requirements

Sometimes, for reasons of design or function, our components cannot fully meet the requirements of our customers. As we design and produce our products in our own factories, we can implement challenging solutions based on our standard components.

Examples of customised pushbuttons



CUSTOMISED DATA INPUT SYSTEMS

complete and ready for plug in

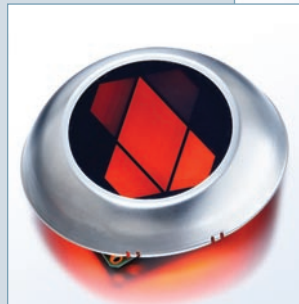
Fully customised data input systems with integrated interfaces. Ready for connection with your controller. Standard bus systems such as CAN, CANopen, Ethernet etc. supported.



Numeric keypad with stainless steel keys



Numeric keypad for multi-digit floor input



Hall lantern



Call station



Car operation panel





Solutions with Passion

Solutions for elevators and building automation have always been a special challenge for development, production and quality assurance. We have faced these challenges with passion and have been manufacturing electromechanical and electronic products for elevators at our locations in Ravensburg (Germany), Mezötur (Hungary) and Cambiago (Italy) since the 1980s. Our great success in this market segment led to the creation of an independent sales division. So RAFI is capable of offering powerful solutions for the elevator business.

Certification

- ▶ DIN ISO 9001:2000 (DQS)
- ▶ ISO/TS 16949:2002 (DQS)

Research

- ▶ Basic development
- ▶ Material testing

Electronic development

- ▶ Circuit development
- ▶ Component selection
- ▶ PCB design
- ▶ Software development

Design

- ▶ 3D design
- ▶ 2D design
- ▶ Design of tools and production equipment

Mechanical production

- ▶ Contact technology
- ▶ Plastic injection moulding
- ▶ Sheet metal machining
- ▶ Silk screen printing
- ▶ Pad printing
- ▶ From manual to fully automatic assembly

Electronic production

- ▶ Manual and automatic mounting of SMD and THT components
- ▶ Soldering (reflow, wave, vapour phase and selective soldering)
- ▶ Automatic functional tests (ICT, AOI)