

LEGENDING

INDIVIDUAL LEGENDING FOR SWITCHES
AND CONTROL COMPONENTS





CUSTOMIZABLE AND FLEXIBLE

LEGENGING FOR EVERY APPLICATION

In modern machine controls and operating surfaces, precision and clarity are essential, especially when every second counts. Clear marking of operating elements and display devices is crucial to prevent errors and ensure reliable, efficient workflows.

RAFI offers tailored solutions for functional printing on components and assemblies. Our printed components stand for a high degree of flexibility and maximum precision. They are suitable for the implementation of standard-

ized symbols as well as custom legending. We know how important every detail is. From switches and complete operating fields to complex control modules, every element must be clearly, permanently, and legibly labeled.

Our legending solutions ensure clear, intuitive operation while also offering an appealing design that aligns with your brand identity. We work closely with you to develop solutions that are both visually and functionally impressive.

RAFI LABELING SOLUTIONS AT A GLANCE

There are lots of ways you can mark your products. We offer you the most effective solution in each case, tailored to the material, product, and quantities required.

Direct legending on plastic

The bezels and pressure pads of the pushbuttons as well as signal indicators are printed using pad printing. Printing can be applied on the front side or on the rear. An optional protective lacquer is available for bezels printed on the front side. An additional light-blocking layer is applied to negatively printed bezels with illumination.



Direct labeling on metal

The surfaces of the metal plates of our RAFIX 30 FS⁺ illuminated pushbuttons and RAMO 30 T with ring lighting are individually labeled using a laser process.



FLEXLAB and C-LAB legend inserts

The FLEXLAB illuminated pushbuttons and signal indicators in the RAFIX and RAMO series, as well as the LUMOTAST 16 C-LAB pushbuttons, can be individually and quickly labeled with legend inserts. The transparent bezels also protect the inserts against abrasion. Legend inserts for FLEXLAB and C-LAB are available as DIN A4 legending sheets for you to print yourself or as ready-printed legending sheets. There are several standard symbols to choose from here.



Emergency stop labels

For the emergency stop variants of our RAMO, RAFIX FS⁺, and LUMOTAST series, we offer suitable adhesive labels with standard lettering in various languages or printed to customer specifications.



RAMO EDGE

With the RAMO EDGE mounting bracket, our RAMO switches can be mounted on profiles without an additional insulating housing. This provides greater flexibility during assembly and new options for positioning components away from the central machine or device operating field. RAMO EDGE legending offers you the option of labeling each RAMO individually.



Label holders

It's not possible to directly legend USB feed-throughs, keylock switches, and certain other products. The solution is to use label holders for the legend labels. Our RAFI label holders are available for the RAFIX 22 QR, RAMO 22, and RAFIX 22 FS⁺ series in conjunction with our RAFIX FS⁺ QC switching elements.



FLEXLAB STANDARD SYMBOLS

With the new FLEXLAB standard symbols, you can make your operating elements even clearer and more intuitive. The high-quality bezels for the RAFIX FS+ and RAMO series combine modern design with functional markings and ensure precise and appealing user guidance. The bezels are positively printed on the rear using pad printing and stand out for their high quality and durability. The FLEXLAB standard symbols are suitable for all FLEXLAB pushbuttons and signal indicators in the RAFIX FS+ and RAMO series.

Status and power control commands



ON

OFF

ON

OFF

ON

OFF

ON-OFF

ON-OFF

POWER

Action and control commands



START

STOP

Warning and information symbols



ATTENTION

START

STOP

RESET

RESET

RESET

Mathematical symbols



PLUS

MINUS

Directional symbols



UP
ARROW

DOWN
ARROW

RIGHT
ARROW

LEFT
ARROW

OVERVIEW OF RAFI MARKING PROCESSES

RAFI offers you two processes for legending your switches and control components. Together, we can find the right process for you.

PAD PRINTING

Pad printing is the only printing method to guarantee distortion-free printed images on complex three-dimensional bodies. First, the desired image is engraved or etched into a printing plate. The printing ink is then applied to the printing plate and wiped off again so that the ink only remains in the indentations. Finally, the ink is absorbed by the pad and transferred to the component to be printed. On request, switches and control components printed on the front side can also be provided with a protective coating so that they are optimally protected against abrasion.



LASER ENGRAVING

This method allows us to label components and assemblies with a laser beam. We use laser-engrivable metals that change color under the laser beam. The resulting legends are water-resistant and smudge-proof.

YOUR SOLUTION

	Product example	RAFI series	Legending methods
Switch legending			
Direct labeling of bezel/ pressure pad		RAFIX FS+ pushbutton/ signal indicator RAMO T/I	Pad printing, printed bezels
Direct labeling of metal plates		RAFIX 30 FS+ pushbutton/ signal indicator with ring lighting RAMO 30 T/I with ring lighting	Laser engraving, metal plates laser-engraved
FLEXLAB bezels standard symbols		RAFIX FS+ pushbutton/ signal indicator FLEXLAB RAMO T/I FLEXLAB	Pad printing, FLEXLAB bezel printed
FLEXLAB legend inserts labeling sheet blank		RAFIX FS+ pushbutton/ signal indicator FLEXLAB RAMO T/I FLEXLAB	Printing by the customer using an office laser printer
FLEXLAB legend inserts printed labeling sheet		RAFIX FS+ pushbutton/ signal indicator FLEXLAB RAMO T/I FLEXLAB	Digital printing
C-LAB legend inserts labeling sheet blank		LUMOTAST 16 C-LAB pushbutton	Printing by the customer using an office laser printer
C-LAB legend inserts printed labeling sheet		LUMOTAST 16 C-LAB pushbutton	Digital printing
Accessories			
Emergency stop legend label		LUMOTAST 16/ RAFIX 22 QR/ RAFIX FS+/ RAMO	Screen printing
Label holders		RAFIX 22 QR/ RAMO 22/ RAFIX 22 FS+/FSR + RAFIX FS QUICK CONNECT switching element	-
Legend label blank		RAFIX 22 QR/ RAMO 22/ RAFIX 22 FS+/FSR + RAFIX FS QUICK CONNECT switching element	Printing by the customer
RAMO Edge		RAMO	Printing by the customer

Print type	Negative legending	Abrasion resistance	Standard	Customer spec.	PU	MOQ
On the rear (positive or negative)	Yes, possible	Yes, printing on the rear		X	10 pcs.	50 pcs.
Front side (positive)	No	Yes, optionally with protective lacquer				
Front side (positive)	No	Yes		X	10 pcs.	50 pcs.
On the rear (positive)	No	Yes, printing on the rear	X		10 pcs.	10 pcs.
Front side (positive or negative)	Yes, possible	Yes, legend insert under FLEXLAB bezel		X	1 pcs. incl. 54 legend inserts)	1 pcs.
Front side (positive)	No	Yes, legend insert under FLEXLAB bezel	X		1 pc. (incl. 10 pcs. legend inserts)	1 pcs.
Front side (positive or negative)	Yes, possible	Yes, legend insert under C-LAB bezel		X	1 pc. (incl. 63 legend inserts)	1 pcs.
Front side (positive)	No	Yes, legend insert under C-LAB bezel	X		1 pc. (incl. 10 legend inserts)	1 pcs.
Front side (positive)	No	Yes	X	X	2 pcs.	10 pcs.
-	-	-	X		10 pcs.	10 pcs.
Front side (positive or negative)	Yes, possible	To be checked for each customer		X	5 pcs.	10 pcs.
Front side (positive or negative)	Yes, possible	To be checked for each customer		X	2 pcs.	2 pcs.

FIND THE RIGHT LABELING SOLUTION FOR YOUR APPLICATION NOW.



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