	Pushbuttons					
				M N O P Q S T U V W Y Z / •	4 5 6 1 2 3 ↓ 0 • 1 2 5 ↓ 0 • 1 2 5 ↓ 0 • 1 2 5 ↓ 0 • 1 2 5 ↓ 0 • 1 2 5	
	8 mm Series	LUMOTAST FK	LUMOTAST 25	LUMOTAST 75	Key lock switch	Other
Panel cut-out	○ 8.1 mm	○ 16.2 mm	○ 16.2mm	○ 16.2 mm	○ 16.2 mm	Pushbuttons 0 9.1/15.2/
		0.000		0.02		16.2/18.2/ 20.3mm
Contacts	1NO	1 NO	1 NO	1 NC + 1 NO bis 3 NC + 3 NO	14 NO	1 NC, 1 NO, 1 NC + 1 NO, 2 NC
Contact material	Au	Au	Au	Ag	Au	Ag
Voltage max./min.	42 V	42V/0,02V	42V/0,02V	250V	42 V	250V/0,02V
Current max./min.	250 mA	100mA/0,1mA	100mA/0,1mA	4 A	100 mA	2A/0.1mA
Terminals	Solder	Flat-ribbon cable with connector, PCB socket	Flat-ribbon cable with connector, PCB socket	Solder	PCB	Solder, screw, quick connect
Degree of protection	IP 40	IP 65	IP 65	IP 40/65	IP 65	IP 40
Lamp socket	Bi-Pin T1	Bi-Pin T1/T1 ¼	Bi-Pin T1/T1 ¼	T 4.5	-	BA 9s
Illumination	Filament lamp, LED	Filament lamp, LED	Filament lamp, LED	Filament lamp, LED	-	Filament lamp, LED
Collar shape	0, □	0, 🗆 , 🗔		0, 🗆 , 🗔	0, 🗔	0
Variants	Illuminated push- button, signal lamp	Illuminated push- button, signal lamp	Illuminated push- button, keylock switch, emergency stop, selector switch, signal lamp	Illuminated push- button, keylock switch, signal lamp	Key lock, authorization lock	Illuminated push- button, push- button
Approvals				IEC 61058, UL 508 CSA 22.2		IEC 61058

	Control Co	mponents		Signal Lamps		
	RAFIX 16/ RAFIX 16 F	RAFIX 22 FS	RAFIX 22 QR	Integral LED	Integral filament/ neon lamp	With lamp socket
Panel cut-out	○ 16.2 mm/ □ 23.1 mm ○ 22.3 mm	○ 22.3 mm	○ 22.3 mm	○ 5–10 mm	○ 5 – 14 mm, 🗆	○ 9.1–30.5 mm, 🗆
Contacts	1 NC, 1NO, 1NC+ 1NO, 2NC, 2NO	1NC, 1NO, 1NC+ 1NO, 2NC, 2NO	1NC, 1NO, 6NC, 6NO	-	-	-
Contact material	Ag/Au	Ag/Au	Ag/Au	-	-	-
Voltage max./min.	250V/0,02V	250V/0,02V	500V/0,02V	28V	6-230 V	42/250V
Current max./min.	6A/1mA	4A /1 mA	10A /1mA	0.25-1W	0.3-1.2W	1.2 -5 W
Terminals	PCB, quick-connect	PCB	Screw, spring- type, quick-connect, RJ 12	Solder/ quick-connect	Solder/quick connect or cable	Solder/quick connect or srew
Degree of protection	IP 65	IP 65	IP 65	IP 40	IP 40	IP 40/65
Lamp socket	W 2x4.6d	LED	BA 9s	none	none	W2x4.6d,T4.6, E10, BA 9s, E14, BA15d
Illumination	Filament lamp, LED	LED	Filament lamp, neon lamp, LED	LED	Filament/ neon lamp	Filament/ neon lamp
Collar shape	\bigcirc, \Box, \Box flush fitting	\bigcirc , \Box flush fitting	O, □ flush fitting	Ο, Δ	0,口, 介	0
Variants	Pushbutton, keylock stop, emergency stop, selector, toggle, potentio- meter drive, buzzer, signal indicator	Pushbutton, keylock, emergency stop, selector, signal indicator	Pushbutton, keylock, mushroom, emergency stop, selector, signal indicator			
Approvals	IEC 61058 / IEC 60947, UL 508, CSA 22.2,	E-Stop, TÜV approved	IEC 61058 / IEC 60947, UL 508, CSA 22.2, marine approval	several national app	rovals	

Short-Travel Keyswitches RACON Short-Travel Keyswitches RF





	\$					9
	RACON 8	RACON 12	RACON 12i	RF 15/15 H	RF 15 R	RF 15 N
Grid min.	12 mm	15.24 mm	15.24 mm	19.05 mm	15.24 mm	15.24 mm
Overall height, min.	5 mm, variable	5 mm, variable	9.7 mm	9.7/12.5 mm	9.7/12.5 mm	6.2 mm, variable
Contacts	1 NO	1 NO	1 NO	1 NO	1 NO	1 NO
Contact material	Au	Au	Au	Ag/Au	Ag/Au	Ag/Au
Rated voltage	0.0242V	0.0242 V	0.0242V	0.0250 V	0.0250V	0.0250V
Rated current	0.01100 mA	0.01100 mA	0.01100 mA	0.01250 mA	0.01250 mA	0.01250 mA
Operating travel	0.34 mm	0.61 mm	0.6 mm	0.5 mm	0.5 mm	0.5 mm
Operating force	3.3 N	3.6 N	2.5 N	2-3N	2-3N	2-3N
Terminals	PCB/SMD	PCB/SMD	PCB	PCB	PCB	PCB
Illumination	No	No	Full	Full/Spot	Spot	Spot
Operating life min.	1 million	1 million	1 million	1 million	1 million	1 million
Special features	Variable height by use of plungers	Variable height by use of plungers 90° vertical adapter		1-module indicator field		Variable height by use of plungers

	Short- Travel Key- switches	Key Caps RK 90	Short- Travel System RG 85 III	Full-Travel Keyswitches RS 76		Key- switches for PCB
	Home B Pg Home B Pg 4 5 6 5 2 3 Pg Dn 0 5 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0					
=		FT		X		
RF 19/19 H	KN 19		RG 85 III	RS 76 M	RS 76 C	Keylock switch
23 mm	19.05 mm	12.5/19.05mm	35 mm	19.05 mm	19.05 mm	19.05 mm
9.7/12.5mm	9.7 mm		12.08 mm	15.5 mm	15.5 mm	40 mm
1 NO/ 1 NC+1 NO	1 NC + 1 NO/ 2 NC/2 NO	RACON, RF, KN 19	1NO/1NC +1NO	1 NO	1 NO	1 NO – 4 NO
Ag/Au	Ag		Ag	Au	contactless	Au
0.0250V	12250 V		350 V	242V	4.755.25V	242∨
0.01250 mA	6 A		0.1250 mA	0.01100mA	-	0.01100mA
0.5 mm	0.5 mm		1 mm	4 mm	4mm	14 x 90° rotating angle
2-3N	9±3N		3.5-4.5N	0.91.4 N	0.71 N	-
PCB	PCB		8-pin Micro Match connector	PCB	PCB	РСВ
Full/Spot	Spot	Full	Edge and symbol illumination	Fully/spot illumination	Spot	-
1 million	100000/6A 250V~		1 million	10 million	100 million	10.000
Signal indicator 1/2-, 1- and 2-module	Approvals: UL 508, IEC 61058 CSA 22.2	Plastic or aluminum surface compatible to RACON, RF and KN 19	vandal-proof	Fully illuminable keycaps (RS 76 MX)	Very soft stroke	Degree of protection IP 54 priority keylock switch



GB1 Division: Components and Standard Keyboards

RAFI's electromechanical components offer highest precision for input, display and switching tasks. Top priority is given to reliability and a long service life.



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