RAFI

RS 76 C - Full-travel key switch, not illuminable

3.13.001.210/0000

Recommended for use of multi-module keycaps.

For accessories and keycaps, refer to RS 76.

General information	
Recommended key grid	19.05 mm

Mechanical design	
Contact function	momentary
Mounting	soldering
Terminals	solder terminals, tin-plated
Contact system	contactless with Hall-IC
Illumination	no

Mechanical characteristics	
Switching travel off	0.8 ... 2.4 mm
Operating force max.	1 N
Operating travel	4 mm
Switching travel on	1.5 - 2.8 mm
Robustness max.	100 N

Electrical characteristics	
Operating voltage DC	4.75 ... 5.25 V
Supply current max. at U_{IL} = 0 V	0.5 mA
Supply current max. at U_{IH} = 5 V	5 mA
Input voltage (F) at U_{IL} = 0 V	0.4 V
Input voltage (F) at U_{IH} = 2.4V	5.25 V
Output load current (Q) max.	16 mA
Output residual current (Q) max.	10 µA
Output saturation voltage (Q) max. bei 16 mA	0.4 V
ESD strength max.	8 kV
Output switching times (Q) at 25 °C, t_{PHL}	3 µs
Output switching times (Q) at 25 °C, t_{PLH}	4 µs
Output switching times (Q) at 25 °C, t_{THL}	1 µs
Output switching times (Q) at 25 °C, t_{TLH}	2 µs

Technical data are approximate and intended solely for general orientation in the selection of a product.
Subject to modifications and errors. Images and other graphics may only be similar.
For more information, refer to www.rafi.de chapter Imprint / Data Protection.

Other specifications

Reliability of Hall-IC at 25 °C	$\lambda = 2.5 \times 10^{-7} \, h^{-1}$
Ambient temp. operating min.	0 °C
Ambient temp. operating max.	+70 °C
Storage temperature min.	-40 °C
Storage temperature max. (product)	+80 °C
Storage temperature max. (rail)	+50 °C
Environmental resistance	acc. to IEC 60068-2-14, -30, -33 and -78
Operating life min. (operations)	10^8 cycle
Degree of protection	IP40 (DIN EN 60529)
Flammability of materials	UL 94 HB
ROHS compliant	yes
REACH compliant	yes

Technical data are approximate and intended solely for general orientation in the selection of a product.
Subject to modifications and errors. Images and other graphics may only be similar.
For more information, refer to www.rafi.de chapter Imprint / Data Protection.