

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

3.13.001.010/0000

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.	0.7 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	
Supply surrout maximates in the supply surrout maximates and supply supply surrout maximates and supply s	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 residual current (Q) max. 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}	O RV
Output switching times (Q) at 25°C, tpHL	3 µs
Output switching times (Q) at 25 °C, t _{Pl H}	
	<u>4</u> μs
Output switching times (Q) at 25 °C, t_{THL}	
	<u>1 μs</u>
Output switching times (Q) at 25 °C, t _{TLH}	2.00
	<u>2 μs</u>



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 restistance	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







