

Capacitive Switch with Variable Overlay

Pressure-free operation of input systems is made possible by the new range of capacitive switches. The switches are activated without force by touching the front. Used behind various overlay materials, the switches provide a whole range of advantages:

- Wear-free
- Operation possible under dust, dirt, moisture and heat conditions
- Use of glass, marble, granite, plastics or wood as touch surface
- Reliable switching even with vibrations
- Adaptive function for adaptation of switching threshold to ambient conditions
- Compensation of electromagnetic influences
- Control of switching sensitivity
- Point illumination for CSE 25 uG
- Smallest switch dimensions 15 x 15 mm with the CSE 15 uG



The switches are available with two different external dimensions: CSE25 uG (25 x 25 mm) and CSE 15uG (15 x 15 mm).

Variation		Sensitivity	Supply voltage
CSE15 uG momentary	1243.7000	minimal	5-24V
CSE15 uG momentary	1243.7001	middle	5-24V
CSE15 uG momentary	1243.7002	maximal	5-24V
CSE15 uG latching	1243.7003	minimal	5-24V
CSE15 uG latching	1243.7004	middle	5-24V
CSE15 uG latching	1243.7005	maximal	5-24V
Variation	red illuminated	green illuminated	Supply voltage
CSE25 uG latching	1243.5203.11	1243.5203.21	7,5-24V
CSE25 uG momentary	1243.5303.11	1243.5303.21	7,5-24V
CSE25 uG latching	1243.5213.11	1243.5213.21	5-20V
CSE25 uG momentary	1243.5313.11	1243.5313.21	5-20V

See overleaf for technical data

Technical Data

Electrical data

Supply voltage	V _{CC}	+5...+24	[V]
Switching current	I _{out,max}	175	[mA]
Rated breaking capacity	P _{max}	250	[mW]
Function		Latching switch	---
		Momentary switch	Max. 60 s
Output		NPN	---

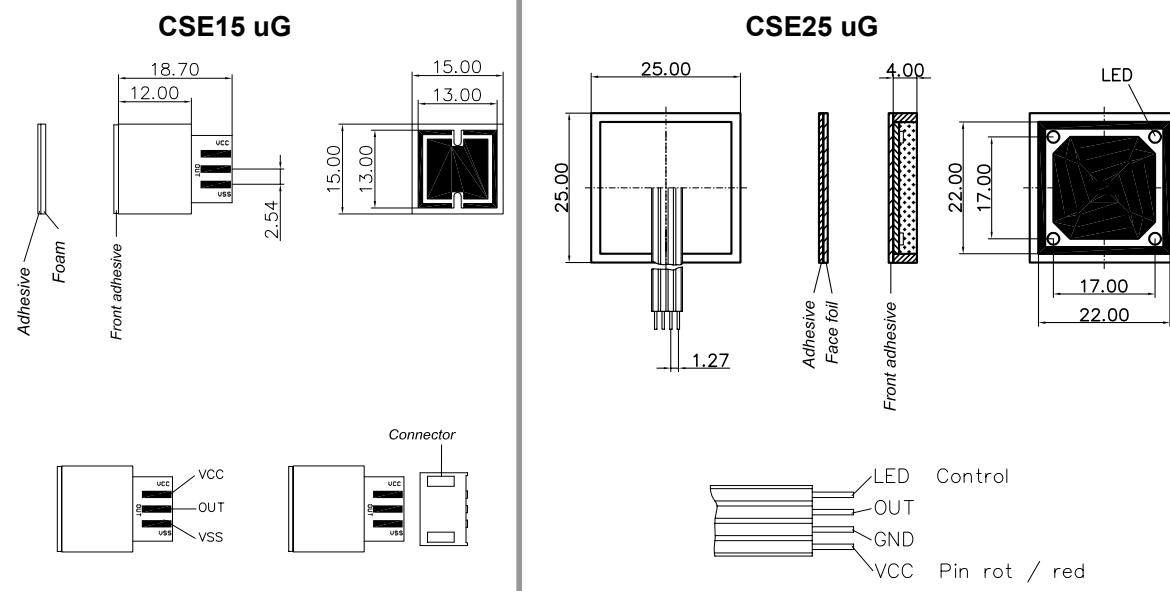
Climatic data:

Operating temperature	T _A	-20...+85	[°C]
Storage temperature	T _{store}	-20...+85	[°C]
Remark:	flowing water may temporarily influence the function		

Miscellaneous:

Fixing		Self-adhesive
Connection	CSE15 uG CSE25 uG	PCB connector 4-conductor ribbon cable 210 mm
Accessories	CSE15 uG CSE25 uG	Samtec PCB connector ASP-66875-01 AMP connector HE 14 281786-4
	CSE15 uG CSE25 uG	Printed design foil for use behind glass
Supplies (order separately)	0098.9229 0098.9230	Connector Element for balancing differences

Dimensions:



Mouser Electronics

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[1243.5203.21](#) [1243.7002](#)