



Membrane Keypads – Typical Characteristics Data Sheet

- Application defined overlay, adhesive and material systems.
- Polyester graphic overlay with selective material finishes (fine, velvet, gloss, UV resistant, Soft Touch, Ingrained stainless steel effect, anti-microbial).
- Polycarbonate graphic overlay with selective material finishes (UL / FR resistant).
- Non tactile response.
- Embossed tactile response (dome, rim, plateau, de-emboss, braille), metal dome tactile response or combination.
- Printed selective textures and finishes (clear window, tinted window, anti -glare, phosphorescent, secret-til-lit).
- Polyester (PET) circuit for generic matrixes.
- Kapton Flexi (FPC) circuit for complex matrixes.
- Embedded LED and Surface Mount (SMT) components.
- EMC / RFI Shielding.
- Backlighting.
- Insert able legends
- IP rated.
- Panel Mounted.
- Box Built

Typical	Non Tactile Membrane Switch	Membrane Switch Tactile	PCB Based Non Tactile	PCB Based Tactile
Actuation Force (g)	50-500	350-450	50-500	350-450
Switch Life	3 000 000	1 – 3 000 000	3 000 000	1 – 3 000 000
Switch Contact	SPST Normally Open	SPST Normally Open	SPST Normally Open	SPST Normally Open
Contact Rating	30 VDC 100 MA 1 WATT	30 VDC 100 MA 1 WATT	30 VDC 100 MA 1 WATT	30 VDC 100 MA 1 WATT
Contact Bounce	<10 MS	<20 MS	<10 MS	<20 MS
Contact Resistance	<100 OHMS	<100 OHMS	<100 OHMS	<100 OHMS
Capacitance	<20 PF	<20 PF	<20 PF	<20 PF
Operating Temp	-30C+60C	-30C+60C	-30C+60C	-30C+60C



Markets

Automotive * Military * Access Control * Aerospace * Medical * Power Distribution * Marine * Security * Instrumentation