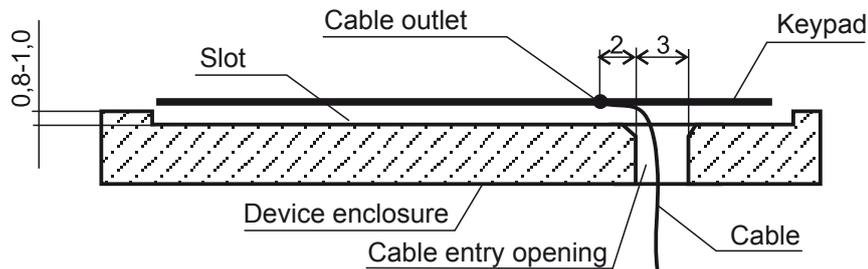


Parameter	Value	Test method ASTM
Mechanical construction		
Thick,mm - poly dom - metal dom	0,7 0,9	
Switching force, N - poly dom - metal dom	1,5 - 2,0 4,0	ASTM F1597-95
Keystroke, mm - poly dom - metal dom	0,6 - 0,8 0,55	ASTM F1682-96
Harmonic vibration resistivity (without loss of working capacity during and after exposure)	5-80 Hz with acceleration amplitude 2g and displacement amplitude 2 mm	ASTM F2188-02
Multiple impact resistivity (without loss of working capacity during and after exposure)	10g in 3 directions 1000 impacts with 40-60 impact per minute	ASTM F2187-02
Cable bending radius, min	3	ASTM F1683-96a
Contact surfaces - poly dom - metal dom	Ag/Ag Au/C	
Electric features		
Load voltage, V, max	36	
Load current, mA, max	100	ASTM F1681-96
Maximum power, W	0,6	
Surface film isolation, kV	15,6	ASTM D 149-81
Lifetime, cycles under nominal switching force - poly dom - metal dom	1 000 000 1 000 000	ASTM F1578-96
Contact bounce, msec, max - poly dom - metal dom	20 10	ASTM F1661-96
Closed circuit resistance, Ohm, max	100	ASTM F1680-96
Insulation resistance, MOhm, min	20	ASTM F1689-96
Cable resistance drift after bending, %, max (bending radius 3 mm, 20 cycles)	10	ASTM F1683-96a
Environmental resistivity		
Temperature range, °C	Work -40 / +50 Peak -50 / +60	ASTM F1596-95
Humidity range under 25°C, %, max	Work 93 Peak 98	ASTM F1596-95
Protection class	IP 65	IEC 598
Chemical resistivity of front surface layer	Solvents, oils and lubricants, gasoline and diesel fuel, detergents	DIN 42 115

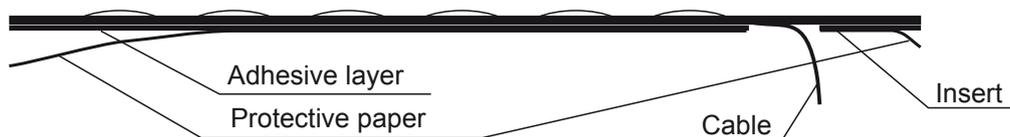
TEKO STANDARD keypads should be mounted in special recess on the device enclosure. The depth of recess should not be less keypad thickness. The cable entry opening in the enclosure should be cut out so that the cable outlet on the keypad be pressed to the enclosure surface and not "hanged over" the opening. The slot surface and opening edges should be smooth without barbs. It is strongly recommended to make a cant on the opening edges.



The pressure sensitive adhesive layer on the keypad back is protected by paper. This layer is for keypad mounting on the device enclosure. It has high adhesion for metals, glass and plastics (nylon, alkyd enamels, polyester, polycarbonate, epoxy paints, ABS, PVC, acrylics). The mounting on polyethylene, polypropylene, fluoroplasts and certain types of powder coatings is not recommended due to low adhesion.

To mount the keypad:

- prepare the enclosure for mounting. The enclosure surface should be cleaned from mud, dust, grease, oil and lubricants. On plastic enclosures, the remains of antiadhesive injection moulder lubricants should be removed.
- take the protective paper off from the back of keypad
- take the protective paper from adhesive insert under the cable outlet
- insert cable in the cable entry opening on the device enclosure
- mount the keypad in the slot
- press the keypad tight and uniformly except keystroke areas.



The pressure over the adhesive layer should be around 0,7 - 1,05 Kg/sq.cm The best mounting temperature should be +21-38 °C. Mounting under +10 °C is not recommended. In case of fault mounting the keypad should be remounted immediately and only if the adhesive layer was not exposed to pressure. The adhesive connection comes to full capacity after 24 hours

For electrical connection with the device PCB the keypads are equipped with flat cable. The cable conductive surfaces are protected by dielectric varnish. The opened part of cable which is to be inserted into connector is covered by carbon paste protecting from argenterium diffusion and enhancing the mechanical wear resistivity. Only the carbon-surfaced part of the cable is suitable for electric contact.

FORBIDDEN!

- cleaning of contact surfaces with solvents;
- soldering of contact surfaces;
- cable bending with radius less than 3 mm;
- cable cutting with total removal of carbonized surface ;
- mechanical loading of the cable;