

High Impact PushGate®

The High Impact PushGate construction targets industries that supply products often manipulated by the general public, for example:

- Gas pumps
- Car washes
- Industrial equipment
- ATMs
- POS
- Farm implements
- Security entrance keypads
- Exercise equipment

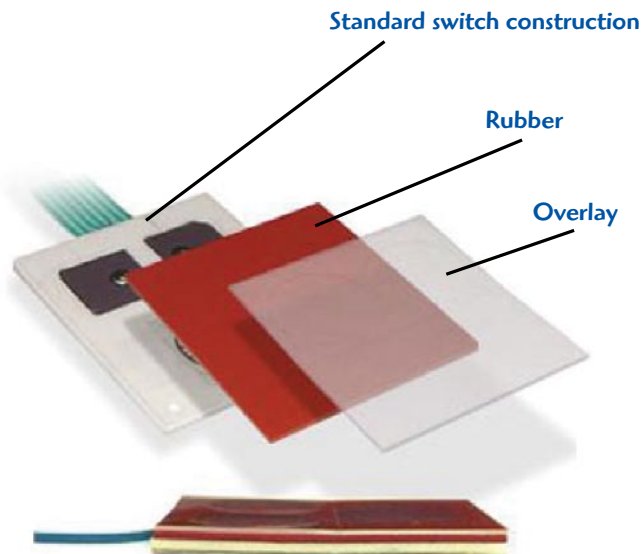
High Impact PushGate is ideal for the industrial control market where control pads are often subject to abuse. The High Impact construction utilizes a layer of rubber over the basic PushGate construction to prevent damage to the switch.

Other than the basic durability and resistance to vandalism, the High Impact PushGate shares all the advantages of the standard PushGate technology.

Key benefits of the High Impact PushGate:

- Still maintains crisp, consistent, tactile feel
- Easily environmentally sealed
- Available with removable overlay

Please refer to the PushGate advantages sheets for further details.



**Le «High Impact PushGate»
répond à la quête des fabricants.**

Mechanical	PCB applications	Flex circuit application
Thickness (typical)	0.215"/5.46 mm	0.156"/3.96 mm
Switch armature spacing	0.500"/12.7 mm centre spacing	0.500"/12.7 mm centre spacing
ESD/EMI/RFI shielding	Capable	Capable
Life	>30 Million constructions available	>20 Million constructions available
Typical action variance	No noticeable difference	No noticeable difference
Switch travel	0.012"/0.3 mm	0.012"/0.3 mm
Contact bounce	1ms typical	1ms typical
Actuation force	625 armature 10 oz./284 gm/2.8 N 406 armature 8 oz./227 gm/2.2 N	625 armature 10 oz./284 gm/2.8 N 406 armature 8 oz./227 gm/2.2 N

Electrical	PCB applications	Flex circuit application
Operating voltage	3 – 50 VDC or AC Peak	3 – 30 VDC or AC Peak
Current	50 mA	20 mA
Power	1.5 W	0.6 W
Switch resistance	Less than 2 ohms initial	Less than 100 ohms initial

Material	PCB applications	Flex circuit application
Magnetic material	Bonded Ferrite	Bonded Ferrite
Armature material	1008/1010 steel with nickel and electro-tin plating	1008/1010 steel with nickel and electro-tin plating

Environment	PCB applications	Flex circuit application
Storage	-40°C to 85°C	-40°C to 85°C
Operating temperature	-40°C to 85°C	-40°C to 85°C
Thermal shock	-40°C to 85°C	-40°C to 85°C
Humidity resistance	95% RH	95% RH
Salt fog, 5% solution	24 hours	24 hours
Shock	100 g	100 g
Drop	3 feet	3 feet