



FEATURES

- Vandal-proof protection of switching element by mechanical end stop of metal actuator
- Functional principle protected by utility model
- Long lifetime due to high mechanical load capacity
- Pleasant tactile feedback
- Wide range of possible designs

Type		Metallic Panel PCB	Metallic Panel flex	Metallic Trackball
Electrical Data				
Switching Voltage min.	[VDC]	20	20	
Switching Voltage max.	[VDC]	30 / 42	30 / 42	
Operating Voltage of Interface	[VDC]			5
Switching Current min.	[mA]	0.1	1	
Switching Current max.	[mA]	100	50	12
Lifetime electrical	[mill.]	2	1	2
Rated Breaking Capacity	[W]	1	0.6	
Insulation Resistance	[MΩ]	> 100	> 100	
Dielectric Strength	[V]	500	500	
Duration of Bounce	[ms]	< 5	< 5	
Mechanical Data				
Actuating Force	[N]	3	3	
Actuating Travel	[mm]	0.45	0.45	
Lifetime mechanical	[mill.]	2	2	2
IK Protection Class (Shock Protection)	[IK]	IK 07	IK 07	
Climatical Data				
Operating Temperature	[°C]	-25 to +85	-25 to +85	-10 to +55
Storage Temperature	[°C]	-40 to +85	-40 to +85	-20 to +80
IP Protection Class Front Side	[IP]	IP 40	IP 40	IP 65 static
IP Protection Class Contact Area	[IP]	IP 65	IP 65	
Other Data				
Lettering		Laser Lettered	Laser Lettered	



Mounting Dimensions	[mm]	80.5 x 95.5	67.2 x 100.5	100.5 x 100.5
Type	Metallic Panel	Metallic Trackball	Metallic Panel flex	Metallic Panel flex
Mounting Style		Rear Mounting	Front Mounting	Front Mounting
Material	Front Panel, Keys	Stainless Steel	Stainless Steel	Stainless Steel
Material	Contacts		Silver + Carbon	Silver + Carbon
Trackball / Touchpad		Ball Diameter 38 mm, Colour black, IP 65		
Terminal		Mini DIN for PS/2 Interface or JST Connector	AMP Jack Contacts R-2.54 mm	AMP Jack Contacts R-2.54 mm
Lettering		Standard Lettering / Customized Lettering on request		

Interface / Lettering			
PS/2	1041.5000.500		
USB	1041.5000.501		
Numeric Keypad		1041.3500	
German			1041.3000
English			1041.3100

A Mounting Frame
B Trackball
C Touchpad