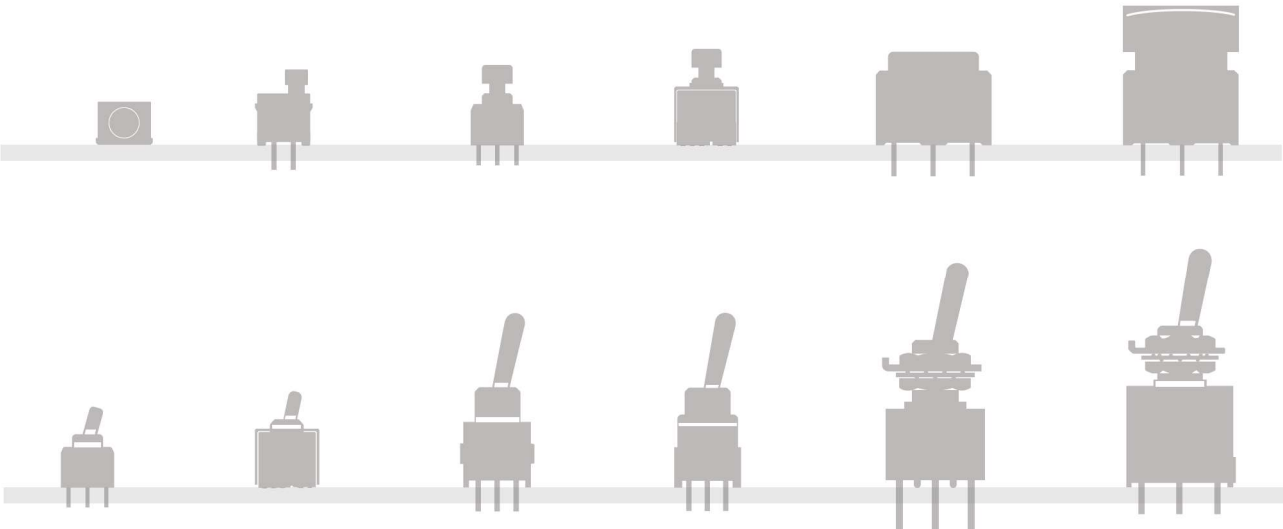


Short Form Switch Guide

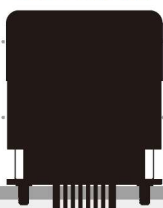


NKK SWITCHES - More than 65 years of innovation.

NKK SWITCHES is an world as the industry leader of electromechanical switches and manufacturer of a wide range of industrial switches, e.g. illuminated, process sealed, miniature, speciality, surface mount and programmable switches. All products are designed with innovation, high reliability, customization and commitment to excellence in mind.

Smart Switch/OLED/LCD Key

Series IS
Full-Screen
OLED Pushbutton



Series IS
OLED
Pushbutton



Series IS
OLED Display



Series IS **IP64**
OLED Rocker



96 RGB x 64 pixels
EC: 100mA 12V DC
IR: 100M Ω min. @ 100V DC
DS: 125V AC
OTR: - 20 ~+ 70°C



64 RGB x 48 pixels
EC: 100mA 12V DC
IR: 100M Ω min. @ 100V DC
DS: 125V AC
OTR: - 20 ~+ 70°C



52 RGB x 36 pixels
OTR: - 20 ~+ 70°C



96 x 64 pixels
EC: 3VA max. DC
IR: 500M Ω min. @ 250V DC
DS: 250V AC
OTR: - 20 ~+ 70°C



Pushbuttons/Illuminated Pushbuttons

Series AB



Series BB



Series DB



Series EB



Series FB



EC: 0.4VA max. 28V max.
IR: 500M Ω min. @ 500V DC
DS: 500V AC
OTR: - 30 ~+ 85°C



EC: 0.4VA max. 28V max.
IR: 500M Ω min. @ 500V DC
DS: 500V AC
OTR: - 30 ~+ 85°C



EC: 0.4VA max. 28V max.
IR: 1G Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 10 ~+ 70°C



EC: 0.4VA max. 28V max.
3A 125V AC
IR: 1G Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 10 ~+ 70°C



EC: 500mA 125V AC
IR: 100M Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 10 ~+ 70°C



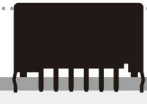
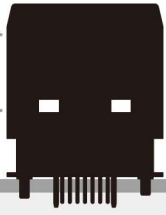
Series IS
LCD 64x32 Pushbutton
Expanded Viewing Area

Series IS
LCD 64x32 Display
Expanded Viewing Area

Series IS
LCD 64x32 Compact Pushbutton
Expanded Viewing Area

Series IS
LCD 36x24 Pushbutton
Expanded Viewing Area

Series IS
LCD 36x24 Display
Expanded Viewing Area



20mm

10mm

10mm

20mm

EC: 100mA 12V DC
IR: 100M Ω min. @ 100V DC
DS: 125V AC
OTR: - 15 ~ + 50°C

OTR: - 15 ~ + 50°C

EC: 100mA 12V DC
IR: 100M Ω min. @ 100V DC
DS: 125V AC
OTR: - 15 ~ + 50°C

EC: 100mA 12V DC
IR: 100M Ω min. @ 100V DC
DS: 125V AC
OTR: - 20 ~ + 60°C

OTR: - 20 ~ + 60°C



[RGB]



[RGB]



[RGB]



[RGB]



[RGB]

Series GB

Series GB
Illuminated

Series GB2

Series G3B SMT

Series GP01 SMT



20mm

10mm

10mm

20mm

EC: 0.4VA max. 28V max.
IR: 500M Ω min. @ 500V DC
DS: 500V AC
OTR: - 30 ~ + 85°C

EC: 0.4VA max. 28V max.
IR: 500M Ω min. @ 500V DC
DS: 500V AC
OTR: - 25 ~ + 55°C

EC: 0.4VA max. 28V max.
IR: 500M Ω min. @ 500V DC
DS: 500V AC
OTR: - 25 ~ + 70°C

EC: 0.4VA max. 28V max.
IR: 500M Ω min. @ 500V DC
DS: 500V AC
OTR: - 30 ~ + 85°C

EC: 0.4VA max. 28V max.



Pushbuttons/Illuminated Pushbuttons

Series HB
Illuminated &
Nonilluminated

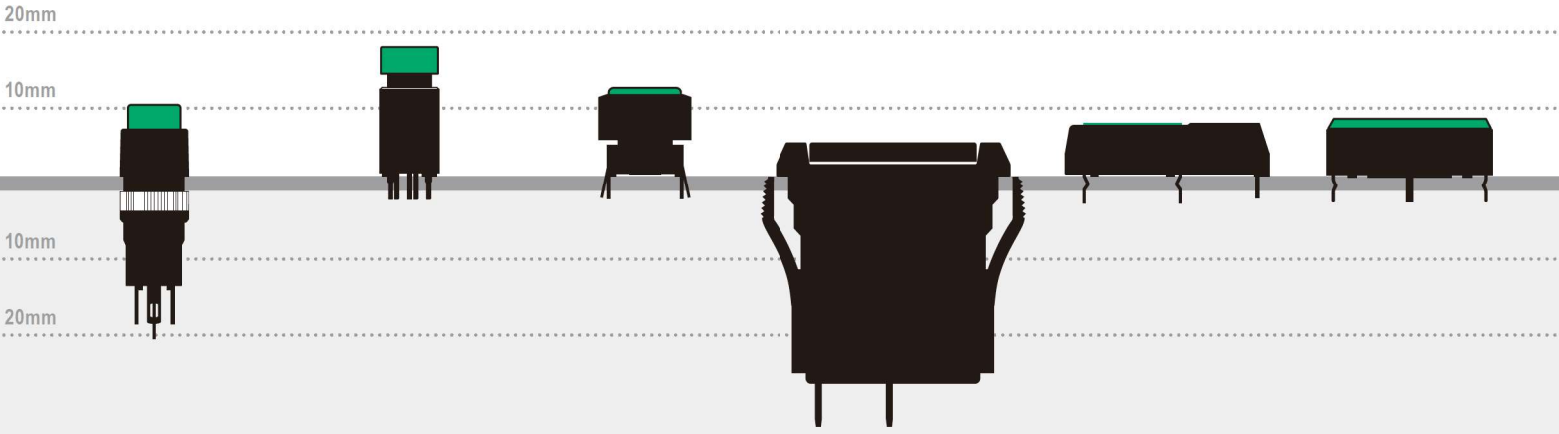
Series HB2
Illuminated

Series JB
Illuminated

Series JP

Series JF
Illuminated &
Nonilluminated

Series JL
Illuminated



EC: 0.1A 30V AC/DC
IR: 100M Ω min. @ 500V DC
DS: 500V AC
OTR: - 25 ~+ 50°C

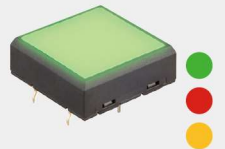
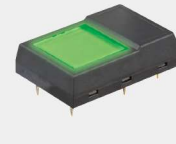
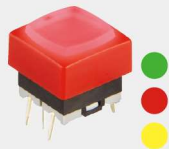
EC: 0.4VA max. 28V max.
IR: 500M Ω min. @ 500V DC
DS: 500V AC
OTR: - 25 ~+ 50°C

EC: 50mA 24V DC,
3VA DC max.
IR: 500M Ω min. @ 250V
DC
DS: 250V AC
OTR: - 25 ~+ 70°C

EC:
JP-M: AC 10A 125V (TV-5)
JP-L: AC 16A 125V (TV-8)
IR: 1G Ω min. @ 500V DC
DS: 2.0kV AC
OTR: - 10 ~+ 70°C

EC: 50mA 24V DC
IR: 500M Ω min. @ 250V
DC
DS: 250V AC
OTR: - 25 ~+ 70°C

EC: 50mA 24V DC
IR: 500M Ω min. @ 250V DC
DS: 250V AC
OTR: - 25 ~+ 50°C

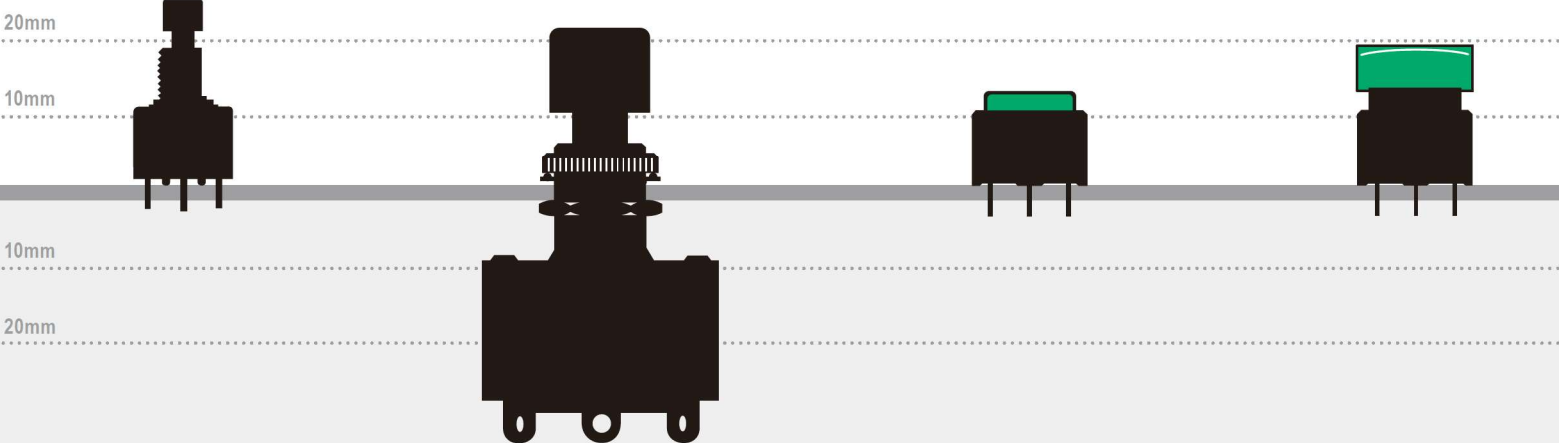


Series MB2400

Series SB

Series UB
Illuminated &
Nonilluminated

Series UB2
Illuminated &
Nonilluminated



EC: 3A @ 125V AC
IR: 1G Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 30 ~+ 85°C

EC: 3 ~ 15A 125V AC,
1.5A ~ 9A 250V AC
IR: 200M Ω ~ 1G Ω min.
@ 500V DC
DS: 1.5 ~ 2.0kV AC
OTR: - 10 ~+ 70°C

EC: 0.4VA max. 28V max.
5A 125V AC,
5A 30V DC
IR: 200M Ω min.
@ 500V DC
DS: 1.0kV AC
OTR: - 25 ~+ 50°C

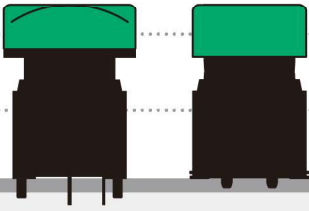
EC: 0.4VA max. 28V max.
5A 125V AC,
5A 30V DC
IR: 200M Ω min.
@ 500V DC
DS: 1.0kV AC
OTR: - 25 ~+ 50°C



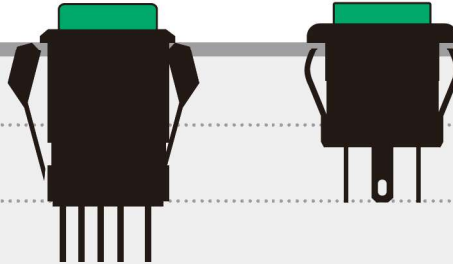
Alternating Legends

Alternating Legends

Series KP/KP04 **SMT**
Illuminated



Series LB **IP65**
Illuminated &
Nonilluminated

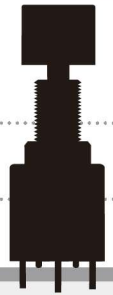


Series LP01
Illuminated &
Nonilluminated

Series M2B



Series MB2000 **IP67** **IP65**



20mm

10mm

10mm

20mm

EC: 100mA 12V DC.



Alternating Legends

EC: 0.4VA max. 28V max.
3A 125V AC,
3A 30V DC
IR: 200M Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 25 ~+ 50°C



EC: 3A 125V AC,
3A 30V DC
IR: 200M Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 10 ~+ 50°C



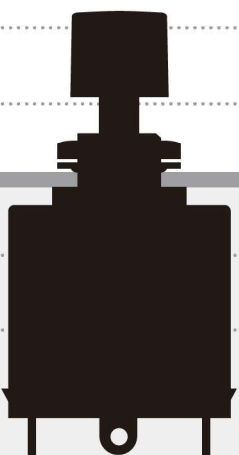
EC: 0.4VA max. 28V max.
1A 125V AC,
1A 30V DC
IR: 1G Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 30 ~+ 85°C



EC: 0.4VA max. 28V max.
6A 125V AC,
3A 30V DC
IR: 1G Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 30 ~+ 85°C



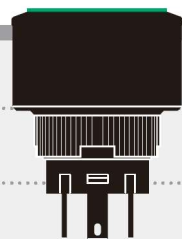
Series WB **IP67**



Series YB **IP65**
Illuminated &
Nonilluminated



Series YB2
Illuminated &
Nonilluminated



EC: 6A 125V AC, 6A 30V DC
IR: 200M Ω min. @ 500V DC
DS: 1.5kV AC
OTR: - 30 ~+ 70°C



EC: 0.4VA max. 28V max.
3A 125V/250V AC
3A 30V DC
IR: 200M Ω min. @ 500V DC
DS: 1.0kV/1.5kV AC
OTR: - 25 ~+ 50°C

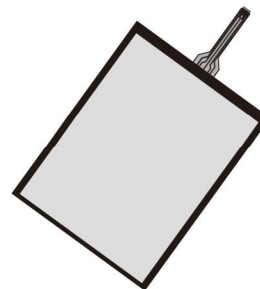


EC: 3A @ 125V/250V AC,
3A 30V DC,
0.4VA max. 28V max.
IR: 200M Ω min. @ 500V DC
DS: 1.0kV/1.5kV AC
OTR: - 25 ~+ 50°C



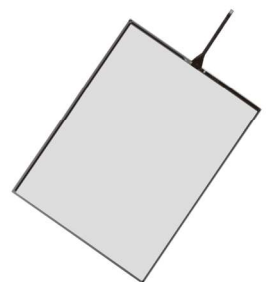
Touch Screens

Series FT

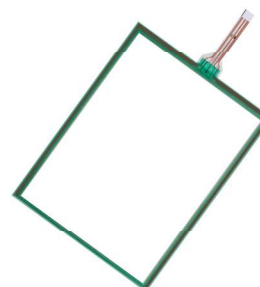


Power Level: 5.5V DC
Screen
Size: 5.7~19inch(4:3,wide)

Series TP02



Power Level: 1mA 5.5V DC
Screen
Size: 10.4~19inch(4:3,wide)



Rockers

Series A

Series CW

Series CWSB
Illuminated

Series G

Series GW

20mm

10mm

10mm

20mm

EC: 0.4VA max. 28V max.
IR: 500M Ω min.
@ 500V DC
DS: 500V AC
OTR: - 30 ~+ 85°C



EC: 6A 250V AC
IR: 500M Ω min.
@ 500V DC
DS: 1.5kV AC
OTR: - 10 ~+ 70°C

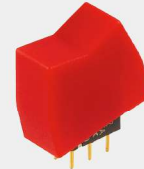


EC: 9A 125V AC
IR: 500M Ω min.
@ 500V DC
DS: 1.5kV AC
OTR: - 20 ~+ 85°C



Neon Lamp

EC: 0.4VA max. 28V max.
IR: 500M Ω min.
@ 500V DC
DS: 500V AC
OTR: - 25 ~+ 85°C



EC: 0.4VA max. 28V max.
IR: 500M Ω min.
@ 500V DC
DS: 500V AC
OTR: - 30 ~+ 85°C



Series MLW
Illuminated &
Nonilluminated

Series SW

Series WR **IP67**

20mm

10mm

10mm

20mm

EC: 5A 125V,
3 ~ 4A 30V DC
IR: 200M Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 10 ~+ 50°C



EC: 15 ~ 30A 125V AC,
15 ~ 30A 30V DC
IR: 1G Ω min. @ 500V DC
DS: 2.0kV AC
OTR: - 10 ~+ 70°C



EC: 15A 125V AC,
15A 30V DC
IR: 200M Ω min. @ 500V DC
DS: 1.25kV AC
OTR: - 25 ~+ 85°C



Series GW
Illuminated

Series JW **IP67**

Series JWS
Illuminated &
Nonilluminated

Series LW
Illuminated

Series M

Series M2100
Illuminated

20mm

10mm

10mm

20mm

EC: 0.4 VA max. 28 V max.
IR: 500 M Ω min.
@ 500 V DC
DS: 500 V AC
OTR: - 25 ~ + 55°C

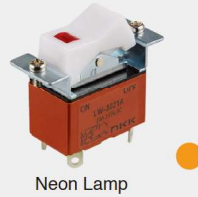
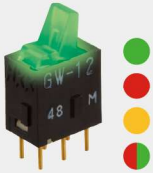
EC: JW-M: AC 10 A 125 V (TV-5)
JW-L: AC 16 A 125 V (TV-8)
IR: 1 G Ω min. @ 500 V DC
DS: 2.0 kV AC
OTR: - 25 ~ + 70°C

EC: 10 A 125 V AC
IR: 500 M Ω min.
@ 500 V DC
DS: 2.0 kV AC
OTR: - 25 ~ + 50°C

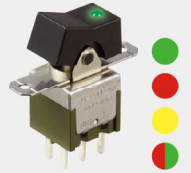
EC: 20 A 110 V AC
IR: 200 M Ω min. @ 500 V DC
DS: 1.5 kV AC
OTR: - 20 ~ + 50°C

EC: 0.4 VA max. 28 V max.
6 A 125 V AC,
3 ~ 4 A 30 V DC
IR: 1 G Ω min. @ 500 V DC
DS: 1.0 kV AC
OTR: - 30 ~ + 85°C

EC: 0.4 VA max. 28 V max.
6 A 125 V AC,
3 ~ 4 A 30 V DC
IR: 1 G Ω min. @ 500 V DC
DS: 1.0 kV AC
OTR: - 10 ~ + 55°C



Neon Lamp



Tactiles

Series CB

Series CB3 **SMT**

Series HP02

Series CB3 **SMT**

Series JB

Series JF

20mm

10mm

10mm

20mm

EC: 50 mA 24 V DC
IR: 100 M Ω min.
@ 250 V DC
DS: 250 V AC
OTR: - 25 ~ + 70°C

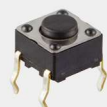
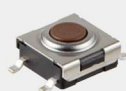
EC: 50 mA 24 V DC
IR: 100 M Ω min.
@ 250 V DC
DS: 250 V AC
OTR: - 25 ~ + 70°C

EC: 0.4 VA max.
28 V AC/DC
3 VA max. 28 V DC
IR: 100 M Ω min.
@ 100 V DC
DS: 250 V AC
OTR: - 20 ~ + 70°C

EC: 0.4 VA max.
28 V AC/DC
3 VA max. 28 V DC
IR: 100 M Ω min.
@ 100 V DC
DS: 250 V AC
OTR: - 20 ~ + 70°C

EC: 50 mA 24 V DC,
3 VA max. 24 V DC
IR: 500 M Ω min.
@ 250 V DC
DS: 250 V AC
OTR: - 25 ~ + 70°C

EC: 50 mA 24 V DC
IR: 500 M Ω min.
@ 250 V DC
DS: 250 V AC
OTR: - 25 ~ + 85°C



Toggles

Series A

Series B **IP65**

Series B **IP65**
Illuminated

Series D2

Series G

Series G
Illuminated

Series G3T **SMT**

20mm

10mm

10mm

20mm

EC: 0.4 VA max. 28 V max.
IR: 500 M Ω min.
@ 500 V DC
DS: 500 V AC
OTR: - 30 ~+ 85°C

EC: 0.4 VA max. 28 V max.
IR: 500 M Ω min.
@ 500 V DC
DS: 500 V AC
OTR: - 30 ~+ 85°C

EC: 0.4 VA max. 28 V max.
IR: 500 M Ω min.
@ 500 V DC
DS: 500 V AC
OTR: - 25 ~+ 55°C

EC: 0.4 VA max. 48 V max.
IR: 1 G Ω min.
@ 500 V DC
DS: 1.0 kV AC
OTR: - 10 ~+ 70°C

EC: 0.4 VA max. 28 V max.
IR: 500 M Ω min.
@ 500 V DC
DS: 500 V AC
OTR: - 25 ~+ 85°C

EC: 0.4 VA max. 28 V max.
IR: 500 M Ω min.
@ 500 V DC
DS: 500 V AC
OTR: - 25 ~+ 55°C

EC: 0.4 VA max. 28 V max.
IR: 500 M Ω min.
@ 500 V DC
DS: 500 V AC
OTR: - 30 ~+ 85°C



Rotaries

Series FR01

Series FR02 **SMT**

Series MR

Series MRB

Series ND

Series ND3 **SMT**

Series NR01

20mm

10mm

10mm

20mm

EC: 100 mA 5 V DC
IR: 1 G Ω min. @ 250 V DC
DS: 250 V AC
OTR: - 25 ~+ 85°C

EC: 100 mA 5 V DC
IR: 1 G Ω min. @ 250 V DC
DS: 250 V AC
OTR: - 25 ~+ 85°C

EC: 250 mA 125 V AC
IR: 100 M Ω min. @ 500 V DC
DS: 1.0 kV AC
OTR: - 10 ~+ 70°C

EC: 0.4 VA max. 28 V max.
IR: 100 M Ω min. @ 500 V DC
DS: 500 V AC
OTR: - 10 ~+ 70°C

EC: 100 mA 5 V DC
IR: 1 G Ω min.
@ 250 V DC
DS: 250 V AC
OTR: - 25 ~+ 75°C

EC: 100 mA 5 V DC
IR: 1 G Ω min.
@ 250 V DC
DS: 250 V AC
OTR: - 25 ~+ 85°C

EC: 0.4 VA max.
28 V max.



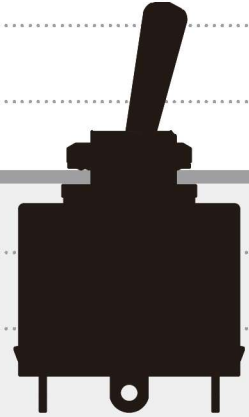
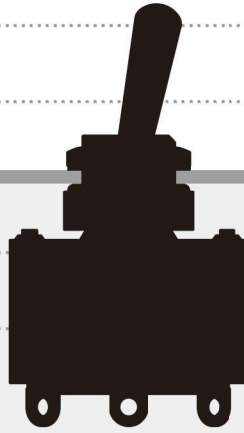
Series M **IP67**

Series M2100
Illuminated

Series S **IP65**

Series TL **IP65**
Illuminated

Series WT **IP67**



20mm

10mm

10mm

20mm

EC:0.4VA max. 28V max.
6A 125V AC.
3 ~ 4A 30V DC
IR:1G Ω min. @ 500V DC
DS:1.0kV AC
OTR:- 30 ~+ 85°C

EC:0.4VA max. 28V max.
6A 125V AC.
3 ~ 4A 30V DC
IR:1G Ω min. @ 500V DC
DS:1.0kV AC
OTR:- 10 ~+ 55°C

EC:5 ~ 50A 125V AC.
2 ~ 30A 250V AC
5 ~ 50A 30V DC
IR:1G Ω min. @ 500V DC
DS:2.0kV AC
OTR:- 10 ~+ 70°C

EC:0.4VA max. 28V max.
6A 125V AC.
3A 250V AC
IR:1G Ω min. @ 500V DC
DS:1.0kV AC
OTR:- 10 ~+ 55°C

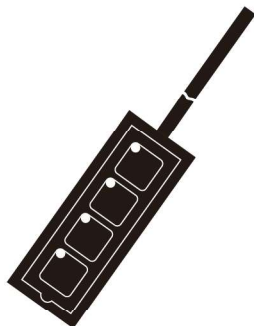
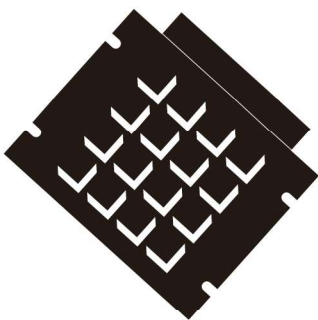
EC:10A 125V AC.
6A 250V AC
10A 30V DC
IR:200M Ω min. @ 500kV DC
DS:1.5kV AC
OTR:- 30 ~+ 70°C



Membrane Keypads

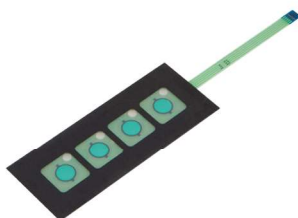
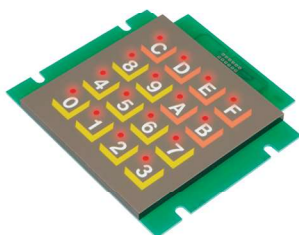
Series FK

Series FM



Power Level:
50mA 24V DC
IR:500M Ω min. @ 250V DC
DS:250V AC
OTR:- 15 ~+ 70°C

Power Level:
20mA 24V DC
IR:100M Ω min. @ 250V DC
DS:250V AC
OTR:- 15 ~+ 50°C



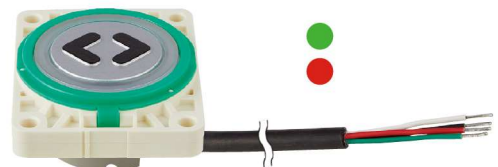
Accessible Design Illuminated Pushbuttons

Series TB01 **IP67 IP64**
Bezel Type



EC:1A 24V DC
50mA 110V DC

Bezel-less Type



EC:1A 24V DC
50mA 110V DC

Slides

Series AS	Series CS	Series FS	Series JS01	Series JS02 SMT	Series JS03
EC: 0.4VA max. 28V max. IR: 500 M Ω min. @ 500V DC DS: 500V AC OTR: - 30 ~+ 85°C	EC: 3A 125V AC. IR: 1G Ω min. @ 500V DC DS: 1.0kV AC OTR: - 30 ~+ 85°C	EC: 0.4VA max. 28V max. IR: 500 M Ω min. @ 500V DC DS: 500V AC Insertion loss 0.5 db @ 1GHz Isolation 40db @ 1GHz OTR: - 30 ~+ 85°C	EC: 25mA 24V DC IR: 100 M Ω min. @ 500V DC DS: 500V AC OTR: - 25 ~+ 70°C	EC: 25mA 24V DC IR: 100 M Ω min. @ 500V DC DS: 500V AC OTR: - 25 ~+ 70°C	EC: 25mA 24V DC IR: 100 M Ω min. @ 500V DC DS: 500V AC OTR: - 25 ~+ 70°C

Keylocks

Series CK CKL	Series CK CKM	Series SK	Series SK	Series SK
EC: 3A 250V AC	EC: 3A 250V AC	EC: 3A 125V AC	EC: 0.4VA max. 28V max.	EC: 0.4VA max. 28V max.

Series JS04 **SMT**

Series MS

Series MS
Illuminated

Series SM

Series SS
Illuminated &
NonIlluminated

Series SS3 **SMT**

20mm

10mm

10mm

20mm

EC: 25mA 24V DC
IR: 100M Ω min. @ 100V DC
DS: 300V AC
OTR: - 30 ~+ 85°C

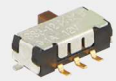
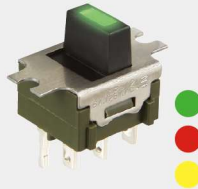
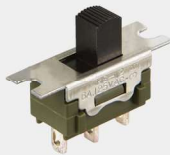
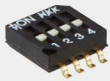
EC: 0.4VA max. 28V max.
6A 125V AC,
3A 250V AC
IR: 1G Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 30 ~+ 85°C

EC: 6A 125V AC,
3A 30V DC
IR: 1G Ω min. @ 500V DC
DS: 1.0kV AC
OTR: - 15 ~+ 60°C

EC: 0.5A 12V max.
1mA 10mV min.
IR: 1G Ω min. @ 500V
DC
DS: 500V AC
OTR: - 40 ~+ 85°C

EC: 0.4VA max. 28V max.
0.1A 30V DC
IR: 100M Ω min. @ 500V DC
DS: 500V AC
OTR: - 15 ~+ 60°C

EC: 0.1A 12V DC
IR: 100M Ω min. @ 500V
DC
DS: 500V AC
OTR: - 25 ~+ 85°C



Tilt Switches

Series DS
A-Type

Series DS
B-Type



EC: 0.1A 12V DC



Photointerrupter Inside.
[Input] IF 50mA, VR 5V
[Output] Photo Transistor
VCEO 30V, VECO 3V



E-STOP Switches

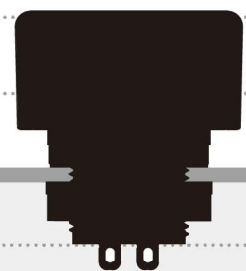
Series FF01 **IP65**

20mm

10mm

10mm

20mm

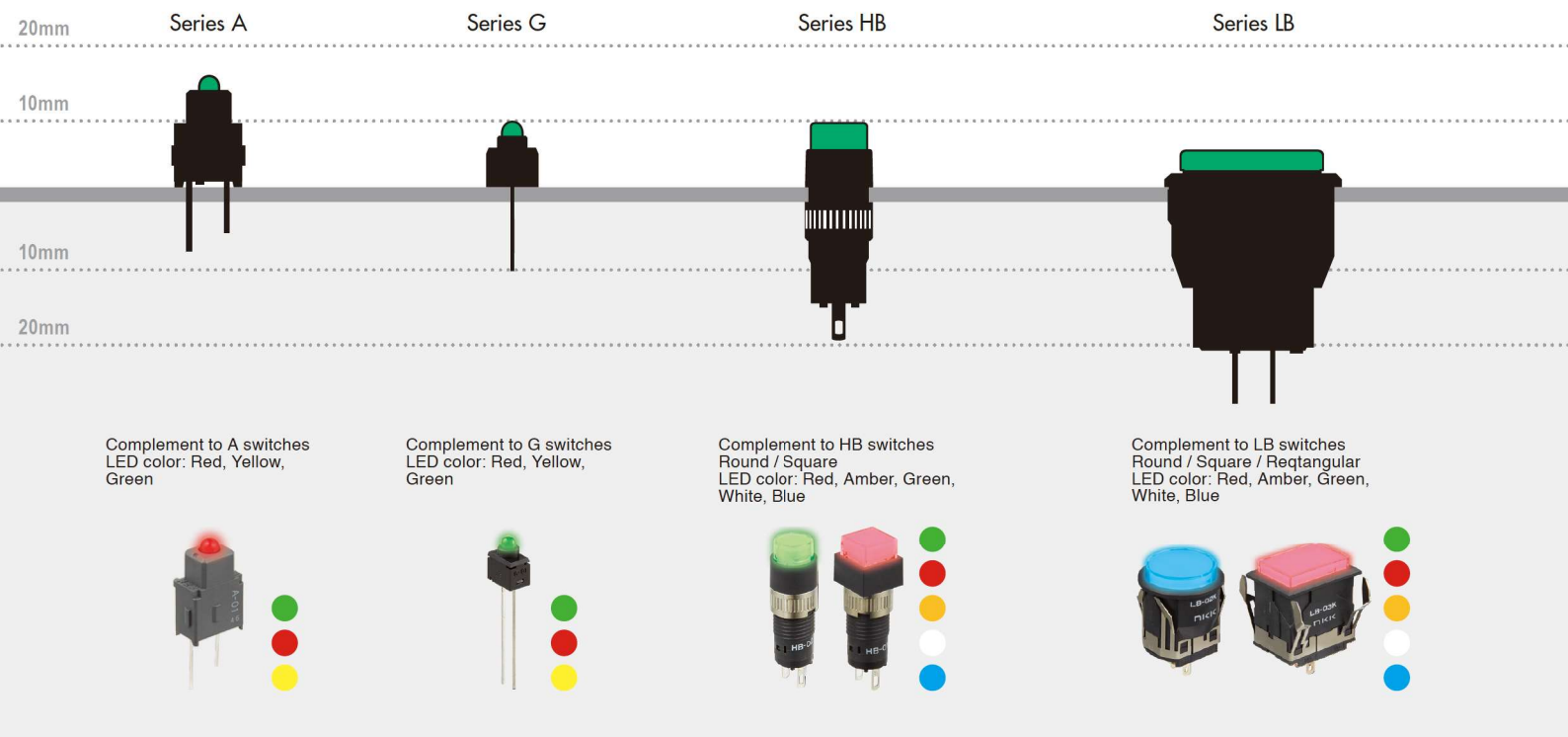


EC: 0.5A 24V DC

EC: 0.5A 24V DC

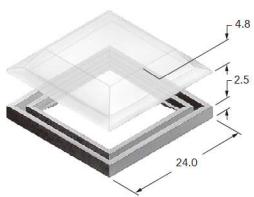


Indicators

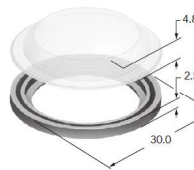


Accessories

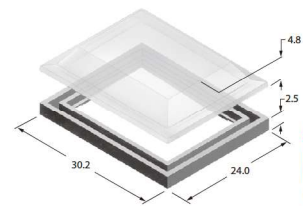
[Dust Cover]



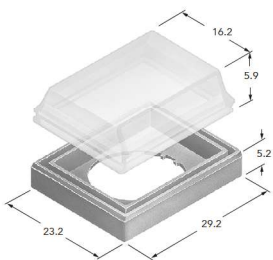
AT4001
Square Dust Cover
Lid: Polyvinyl chloride
Gasket: Polyethylene
Series: LB UB



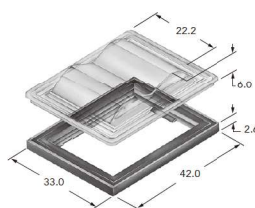
AT4002
Round Dust Cover
Lid: Polyvinyl chloride
Gasket: Polyethylene
Series: LB



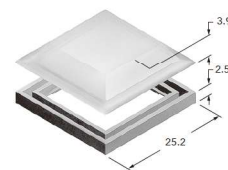
AT4011
Rectangular Dust Cover
Lid: Polyvinyl chloride
Gasket: Polyethylene
Series: LB UB



AT4115
Dust Cover
Lid: Polyvinyl chloride
Base: Polyamide
Series: YB



AT4126
Dust Cover
Polyvinyl chloride & polyamide
Color: A
Series: JWL



AT4145
Square Dust Cover
Lid: PVC
Gasket: Polyethylene
Series: UB2

Series UB

Series UB2

Series YB **IP65**

20mm

10mm



10mm

20mm

Complement to UB switches
Square / Rectangular
LED color: Red, Amber,
Green, White, Blue



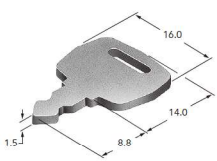
Complement to UB2 switches
Square
LED color: Red, Amber,
Green, White, Blue



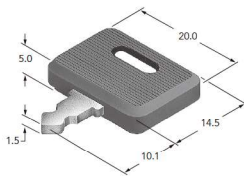
Complement to YB switches
Round / Square / Rectangular
LED color: Red, Amber, Green,
White, Blue



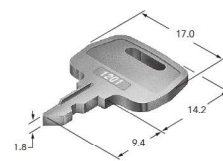
[Key]



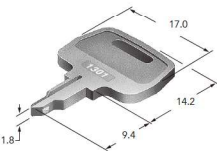
AT4079
Actuator Key
Brass alloy with
bright nickel plating
Series: SK



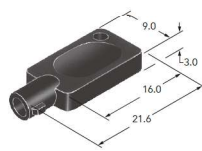
AT4080
Actuator Key
Brass alloy with
bright nickel plating
Antistatic ABS resin handle
Color: A
Series: SK



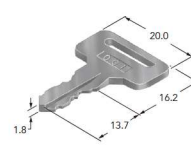
AT4081
Actuator Key
Zinc alloy
with chrome plating
Series: SK



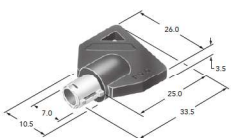
AT4082
Actuator Key
Zinc alloy
with chrome plating
Series: SK



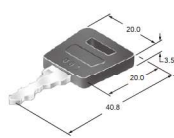
AT4154



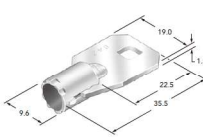
AT4124
Actuator Key
Brass
with nickel plating
Series: SK



AT4146
Tubular Key
Brass with
nickel plating
ABS handle
Color: A
Series: CKM



AT4147
Flat Key
Brass with
nickel plating
ABS handle
Color: A
Series: CKM

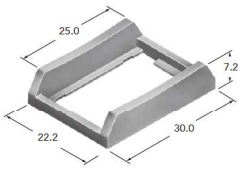


AT4152
Tubular Key
Brass with
nickel plating
Series: CKL

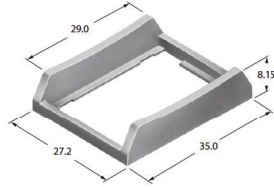


AT4153
Flat Key
Brass with
chrome plating
Series: CKL

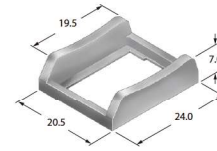
[Barrier]



AT217
Barrier
Polyamide
Colors: A B H
Series: JWM

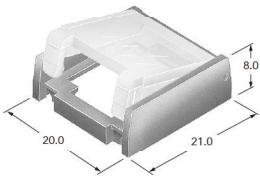


AT218
Barrier
Polyamide
Colors: A B H
Series: JWL

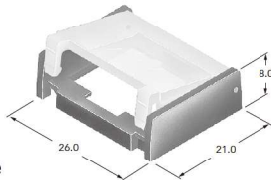


AT219
Barrier
Polyamide
Colors: A
Series: JWS

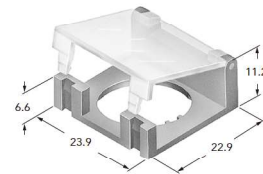
[Protect Guard]



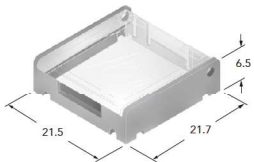
AT499
Protective Guard
for Square
Cover: Polycarbonate
Base: Polyamide
Series: LB



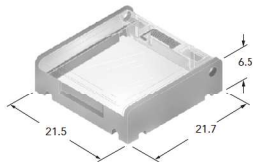
AT4057
Protective Guard
Polycarbonate
Series: LB



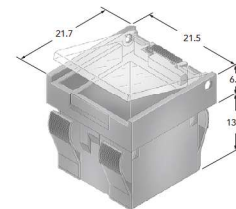
AT4072
Protective Guard
Lid: Polycarbonate
Base: Glass fi ber
reinforced polycarbonate
Series: YB



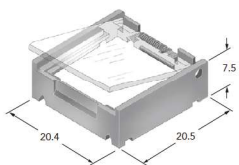
AT4141
Protective Guard
Cover: Polycarbonate
Base: GFR polyamide
Series: UB2



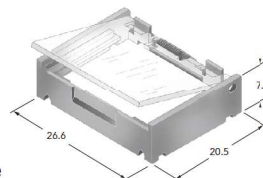
AT4142
Spring Loaded
Protective Guard
Cover: Polycarbonate
Base: GFR polyamide
Coil spring: Stainless
steel
Series: UB2



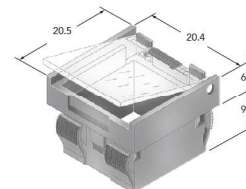
AT4170
Spring Loaded
Protective Guard
Cover: Polycarbonate
Base: Polyamide
Coil spring: Stainless steel
Series: UB2



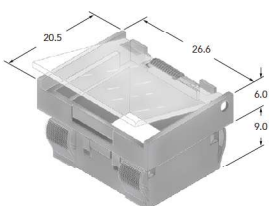
AT4171
Spring Loaded
Protective Guard
Cover: Polycarbonate
Base: Polyamide
Coil spring: Stainless steel
Series: LB UB



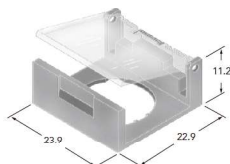
AT4172
Spring Loaded
Protective Guard
Cover: Polycarbonate
Base: Polyamide
Coil spring: Stainless steel
Series: LB UB



AT4173
Spring Loaded
Protective Guard
Cover: Polycarbonate
Base: Polyamide
Coil spring: Stainless steel
Series: UB

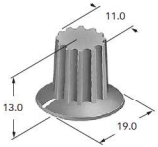


AT4174
Spring Loaded
Protective Guard
Cover: Polycarbonate
Base: Polyamide
Coil spring: Stainless steel
Series: UB



AT4175
Spring Loaded
Protective Guard
Cover: Polycarbonate
Base: Glass fi ber
reinforced polyamide
Coil spring: Stainless steel
Series: YB

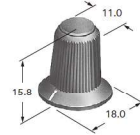
[Rotary Knob]



AT433
Knob for Miniature
Rotaries
Polyacetal
Color: A
Series: FR01 MR



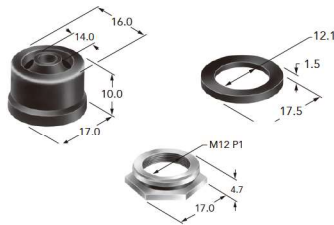
AT4103
Small Color Tipped Knob
Polyester with polyamide tip
Base Color: A
Tip Colors: A B C E F G H
Series: FR01 MR



AT4104
Large Color Tipped Knob
Polyester with polyamide tip
Base Color: A
Tip Colors: A B C E F G H
Series: FR01 MR

[Rubber Boot]

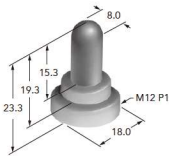
AT401 A/H/S
Splashproof Boot Assembly
Hex Nut Material & Finish:
Nickel plated brass
O-ring Material:
Nitrile butadiene rubber
Series: M S WT



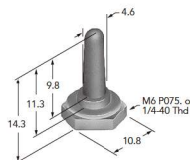
AT401A for Oil Resistance
Boot Material: Black nitrile butadiene rubber

AT401H for Dust & Ozone Resistance
Boot Material: Gray ethylene propylene rubber

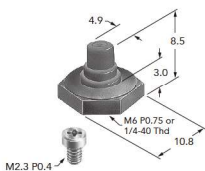
AT401S for Flexibility, Resilience,
and Tensile Strength over Wide
Temperature Range
Boot Material: Black silicone rubber



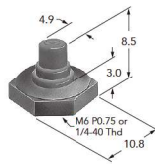
AT402
Splashproof Boot
Silicon rubber for A C E F
Ethylene propylene rubber
for H
Colors: A C E F H
Series: M S



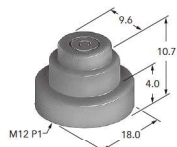
AT428
(M-metric H-inch)
Splashproof Boot
Silicone rubber
Color: A
Series: D2 M



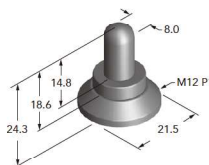
AT4041
(M-metric H-inch)
Splashproof Boot
for Momentary
Black silicone rubber
Series: MB



AT4042
(M-metric H-inch)
Splashproof Boot
for Alternate
Black silicone rubber
Series: MB



AT4043
Splashproof Boot
Black silicone
rubber
Series: MB SB WB



AT4181
Splashproof Boot Assembly
Boot Material: Black silicon rubber
Hex Nut Material & Finish:
Nickel plated brass
O-ring Material:
Nitrile butadiene rubber
Series: M S WT

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