22mm Push Button Accessories





Altech

Replacement Lens for Illuminated Mushroom Operators

Color	Cat No.
White	2ALM1L
Green	2ALM3L
Red	2ALM4L
Amber	2ALM5L
Blue	2ALM6L
Clear	2ALM7L
Yellow	2ALM8L

Boots for Booted Actuators

Color	Cat No.
White	2BT1
Black	2BT2
Green	2BT3
Red	2BT4
Blue	2BT6
Clear	2BT7
Yellow	2BT8

Lenses for Pilot Lights with LED

Color	Cat No.
White	2PLL1L
Green	2PLL3L
Red	2PLL4L
Amber	2PLL5L
Blue	2PLL6L
Clear	2PLL7L
Yellow	2PLL8L

Lenses for Pilot Lights with Filament Bulb

Color	Cat No.
White	2PLL1
Green	2PLL3
Red	2PLL4
Amber	2PLL5
Blue	2PLL6
Clear	2PLL7
Yellow	2PLL8

Lenses for Illuminated Actuators with LED (flush/projecting)

Color	Cat No.
White	2LAL1L
Green	2LAL3L
Red	2LAL4L
Amber	2LAL5L
Blue	2LAL6L
Clear	2LAL7L
Yellow	2LAL8L

Lenses for Illuminated Actuators with Filament Bulb

Color	Cat No.
White	2LAL1
Green	2LAL3
Red	2LAL4
Amber	2LAL5
Blue	2LAL6
Clear	2LAL7
Yellow	2LAL8

Replacement Bulbs



Filament Bulbs

Color	Voltage	Cat No.
Clear	12V AC/DC	BA9S12
Clear	24V AC/DC	BA9S24
Clear	48V AC/DC	BA9S48
Clear	110V AC/DC	BA9S110
Clear	230V AC/DC	BA9S220

LED Bulbs

Color	Voltage	Cat No.
12V AC/DC		
White	12V AC/DC	MCB9112
Green	12V AC/DC	MCB9312
Red	12V AC/DC	MCB9412
Amber	12V AC/DC	MCB9512
Blue	12V AC/DC	MCB9612
Yellow	12V AC/DC	MCB9812

LED Bulbs

Color	Voltage	Cat No.
110V AC		
White	110V AC	MCB91110
Green	110V AC	MCB93110
Red	110V AC	MCB94110
Amber	110V AC	MCB95110
Blue	110V AC	MCB96110
Yellow	110V AC	MCB98110
110V DC		
White	110V DC	MCB91110D
Green	110V DC	MCB93110D
Red	110V DC	MCB94110D
Amber	110V DC	MCB95110D
Blue	110V DC	MCB96110D
Yellow	110V DC	MCB98110D
24V AC/DC		
White	24V AC/DC	MCB9124
Green	24V AC/DC	MCB9324
Red	24V AC/DC	MCB9424
Amber	24V AC/DC	MCB9524
Blue	24V AC/DC	MCB9624
Yellow	24V AC/DC	MCB9824

Color	Voltage	Cat No.
230V AC		
White	230V AC	MCB91230
Green	230V AC	MCB93230
Red	230V AC	MCB94230
Amber	230V AC	MCB95230
Blue	230V AC	MCB96230
Yellow	230V AC	MCB98230
230V DC		
White	230V DC	MCB91230D
Green	230V DC	MCB93230D
Red	230V DC	MCB94230D
Amber	230V DC	MCB95230D
Blue	230V DC	MCB96230D
Yellow	230V DC	MCB98230D
48V AC/DC		
White	48V AC/DC	MCB9148
Green	48V AC/DC	MCB9348
Red	48V AC/DC	MCB9448
Amber	48V AC/DC	MCB9548
Blue	48V AC/DC	MCB9648
Yellow	48V AC/DC	MCB9848

Maximum Power Consumption:

Supply Voltage	LED		FILAMENT BULBS	
	Power (max) in Watts	Current	Power (max) in Watts	Current
12V	0.5W	max 20mA	2W	max 166mA
24V	0.5W	max 20mA	2W	max 85mA
48V	0.5W	max 20mA	2W	max 45mA
110V	0.5W	max 15mA	2.6W	max 20mA
240V	1W	max 10mA	2.6W	max 20mA

These bulbs are available in various colors and Voltages. A filament bulb can be directly replaced with these LED based bulbs without having to change any other expensive part of your existing lamps.

These bulbs use high brightness LED chips which last for more than 100,000 hours and consume very little power. Heat generated by LED based bulbs is negligible hence no damage to the body of the lamp or any operator in case of Illuminated push buttons.

These bulbs can be used to replace 12V AC/DC, 24V AC/DC, 48V AC/DC, 110V AC or DC and 240V AC or DC circuits directly. LED color indication is given on the bulb for easy identification.

Conforming Standards: UL508, CSA 22.2, IEC 60947-5-1