

# A SERIES

## Miniature unibody switches



- Suitable for a wide variety of office and factory applications.
- Degree of protection: IP40 and IP65 (IEC 60529)
- UL recognized, CSA certified, EN compliant and CCC approved.

#### **Environmental specifications**

Operating Temperature	–25 to +55°C (no freezing)	
Storage Temperature	-30 to +80°C (no freezing)	
Operating Humidity	45 to 85% RH (no condensation)	
Vibration Resistance	Operating extremes: 5 to 55 Hz, amplitude 0.75 mm	
Shock Resistance	Damage limits: 500 m/s² (50G) Operating extremes: 200 m/s² (20G)	
Degree of Protection	IP40, IP65 (IEC 60529)	

#### **Electrical pecifications**

	Contact Resistance		50 mΩ maximum (initial value)				
	Insulation Resistance		100 M $\Omega$ minimum (500V DC megger)				
	Dielectric Strength	Switch Unit	Between live and dead metal parts: 2,000V AC, 1 minute Between terminals of different poles: 2,000V AC, 1 minute Between terminals of the same pole: 1,000V AC, 1 minute Between contact and lamp terminals: 1,500V AC, 1 minute				
		Illumination Unit	Between live part and ground: 2,000V AC, 1 minute				
	Electrical Durability (minimum operations)		Other than Maintained: 100,000 operations Maintained: 50,000 operations (Switching frequency 1200 operations/h)				

#### Approvals



#### Mounting Hole Layout Round/Square Units

#### General specifications

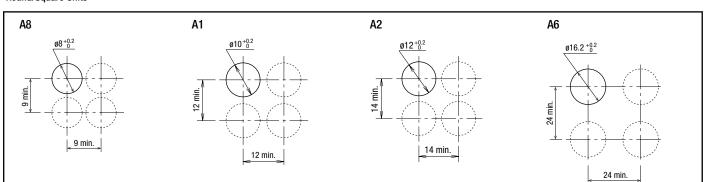
Mechanical Durability (minimum operations)	Momentary: 1,000,000 200.000 (A Maintained: 100,000 op Selector Switch: Key Selector Switch:	A2, A1, A8 series)		
Terminal Style	Solder / tab terminals			

#### Contact Ratings (Contact Block)

Sontaet hadings (Sontaet Diotk)								
Rated Insulation Voltage		250V						
Rated Thermal Current		3A						
Operating Voltage (AC/DC)		12V	24V	110V	220V			
AC 50/60 Hz	Resistive Load	—	—	1.0A	0.5A			
	Inductive Load	—	—	0.7A	0.5A			
DC	Resistive Load	1.0A	1.0A	0.2A	_			
	Inductive Load	0.7A	0.7A	0.1A	—			
Contact Materia	Contact Material		Gold plated silver contact (A6 series) Silver contact (A2, A1, A8 series )					

• Minimum applicable load: 5V AC/DC, 1 mA

(applicable range may vary with operating conditions and load types)



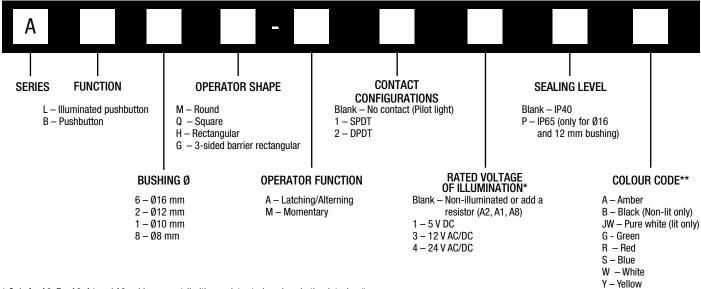
#### Main accessories





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#### PUSHBUTTON

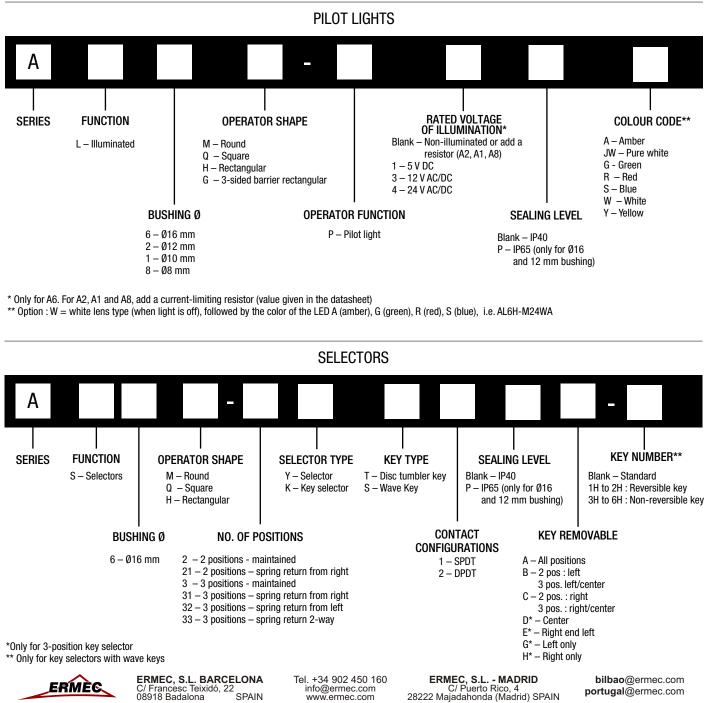


\* Only for A6. For A2, A1 and A8, add a current-limiting resistor (value given in the datasheet)

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\*\* Option : W (ill only) = white lens type (when light is off), followed by the color of the LED A (amber), G (green), R (red), S (blue), i.e. AL6H-M24WA

L (non-ill only) = Lens to be used with marking plates, followed by the color of the lens (for black : clear lens + a black marking plate), i.e. AB6H-M2LB











- **LED Machine lighting**
- **Automation & Sensing**
- Safety
- Switch & Control

## **IDEC** products are essential

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### **Environment-friendly**

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