




# A01 - A02 SERIES

## INDUSTRIAL CONTROLS

### Specifications

#### ELECTRICAL SPECIFICATIONS

	A01/A1/A03	A02
• <b>Function :</b>	Momentary or maintained action	Momentary or maintained action
• <b>Current/voltage rating :</b>	10mA 5VAC min. 6A 250VAC max. 6A/12VDC max.	25mA 5VAC min. 12A 380VAC - 16A 250VAC max. 12A/12VDC max.
• <b>Contact gap :</b>	>1mm (.039)	Double break 2 x 1,5mm (.059)
• <b>Initial contact resistance :</b>	10mΩ max. at 1A 4VDC	10mΩ max. at 1A 4VDC
• <b>Insulation resistance :</b>	50 MΩ min.	50 MΩ min.
• <b>Dielectric strength :</b>	750V between open contacts 5KV live to accessible	2KV between open contacts 4KV live to accessible
• <b>Electrical life :</b>	50.000 cycles min.	50.000 cycles min.
• <b>Insulation :</b>	Class 2	Class 2
• <b>Lamp life :</b>	LED : 60.000 h min. to 75% relative luminosity - Filament : approx. 5.000h Neon : approx. 10.000 h	LED : 60.000 h min. to 75% relative luminosity - Filament : approx. 5.000h Neon : approx. 10.000 h
• <b>Lamp circuit diagrams</b>		
		

#### GENERAL SPECIFICATIONS

	A01/A1/A03	A02
• <b>Min. mechanical life :</b>	Pushbutton momentary : 1 million cycles Pushbutton maintained : 100.000 cycles Keylock and rotary : 100.000 cycles	Pushbutton momentary : 1 million cycles Pushbutton maintained : 100.000 cycles Keylock and rotary : 100.000 cycles
• <b>Operating temperature :</b>	-20°C to +55°C	-20°C to +85°C
• <b>Solder heat resistance :</b> (IEC 68-2-20Tb, method 2)	350°C, 5 sec.	350°C, 5 sec.
• <b>Degree of environmental protection</b> (IEC 529)	IP 65 front of panel IP 40 back of panel	IP 65 front of panel IP 40 back of panel
• <b>Lamps :</b>	Midget Grooved T1 3/4 filament, multi-chip LED or neon	Midget Grooved T1 3/4 filament, multi-chip LED or neon Special multi-LED assembly
• <b>Switch terminals :</b>	Solder/quick-connect 2,8mm (.110)	M3 screws - wire 2 x 0,75mm 2 max.
• <b>Lamp terminals :</b>	Solder/quick-connect 2,8mm (.110)	M3 screws Flexible wire 2 x 2,5mm <sup>2</sup> max. Rigid wire 4mm <sup>2</sup> max

For screen engraving or film legends, consult factory. For approved models consult APEM.