

16mmø Series Control Unit

ELECTRICAL RATINGS 電氣額定：

Contact 接點

Rated insulation voltage 額定絕緣電壓	250V	AC / DC
Rated current 額定電流	5A	

Operating Voltage 操作電壓	30V *	125V 3A	250V 2A
Operating current (Resistive) AC 操作電流 (電阻性) DC	2A	0.4A	*

SPECIFICATIONS 規格

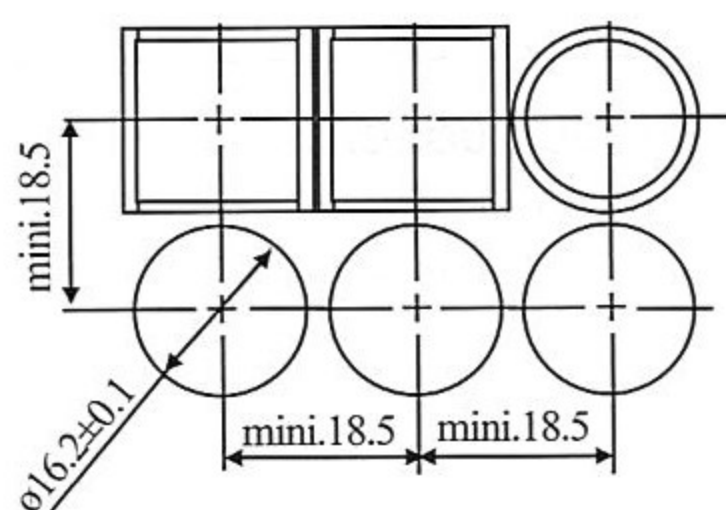
Operating Temperature -25	-25°C ~ +55°C (Without freezing)
Storage Temperature	-30°C ~ +80°C
Operating Humidity	45 ~ 80% RH
Contact Resistance	100mΩ maximum (initial value)
Insulation Resistance	100mΩ minimum (500V DC megger)
Dielectric strength	Between live part and ground 2500VAC : 1minute
	Between terminals of different poles : 2500VAC : 1minute
	Between terminals of the same poles : 1000VAC : 1minute
Vibration Resistance	Operating extremes : 5 ~ 55Hz, Amplitude 1.0mmp-p
	Damage limit : 1000m/s ² (Approx : 100G)
	Operating extremes: 1000m/s ² (Approx : 10G)
Mechanical Life (min)	Momentary : 2,000,000
	Alternate: 250,000
	Selector switch : 250,000
Electrical Life (min)	Momentary : 100,000 (1800 operations/hour)
	Alternate : 100,000 (1200 operations / hour)
	Selector switch : 100,000
Protection Degree	IP65 (IEC Pud 529)

Description/特性:

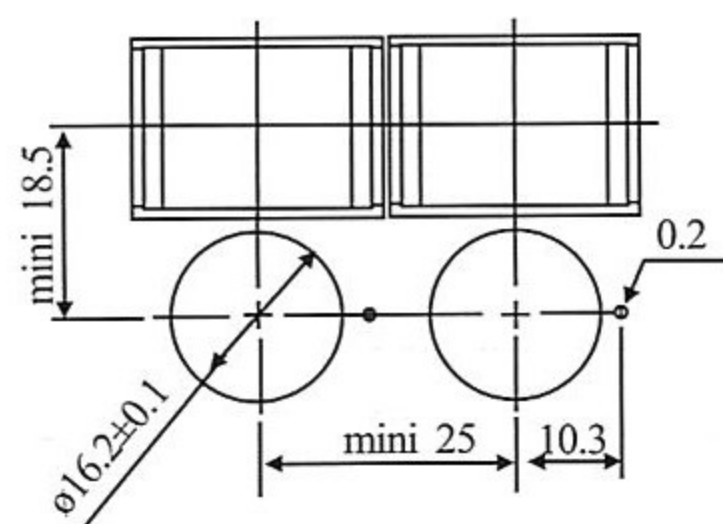
- Apparent shape: Round(ø18mm). Square(18×18mm)/ Rectangular(18×24mm)
外觀形狀：圓形(ø18mm)/ 正方形(18mm) / 長方形(18×24mm)
- Install and remove the contact block easily.
接點塊插入與移除容易。
- Gold-clad cross bar contact. 鍍金棒橫條接點。
- Solder/plug-in terminl(#110)and P.C board terminal type/ 焊接/插Pin與P.C板用端子
- Light touch structure/ 輕觸式機構。
- Use of High Performance Engineering Plastics/ 使用高性能工程塑膠。
- protective grade/ 保護程度：IP65(IEC Pud 529)

■ 各型式裝配孔徑的間距

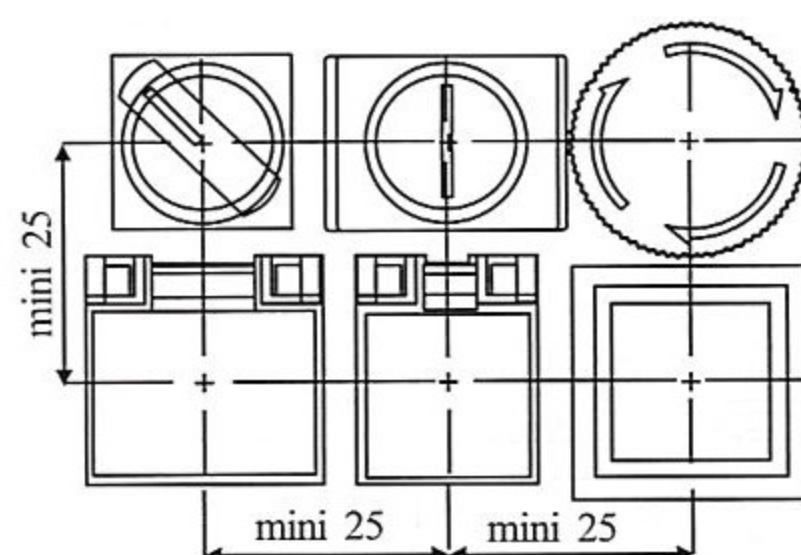
- Panel cut-out Round/square shape
- (圓形、方形) 指示燈、照光式按鈕開關



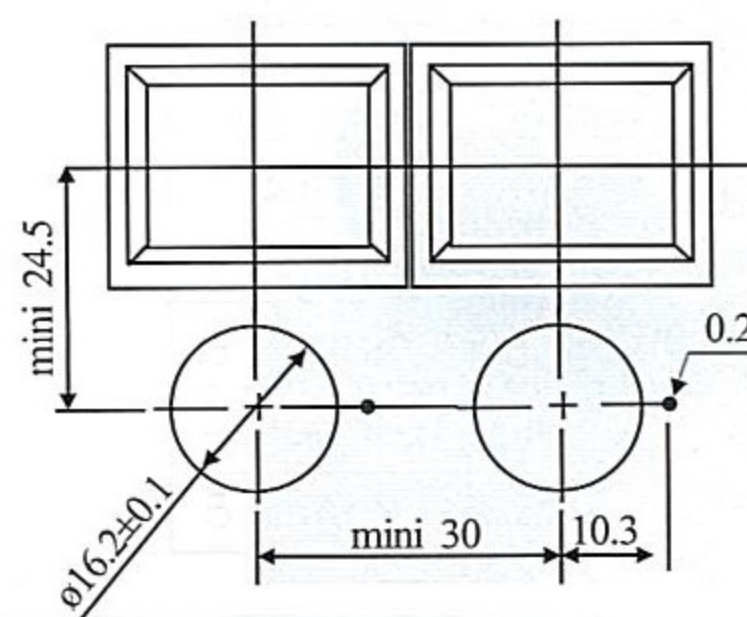
- Rectangular shape
- (長方形) 指示燈、照光式按鈕開關



- Selector switch, key selector switches
Round, square water proof boot
Round square protect cover
- (圓形、方形、長方形) 選擇、鑰匙開關
(圓形、方形) 防水套：(長方形、方形) 護蓋
連鎖式、大頭按鈕開關



- Rectangular waterproof boot
- 長方形防水套



16mmø pilot light

Lamp 燈泡

Lamp type 種類	Item No.	Rated voltage 額定電壓	Rated Current 額定電流	Illumination colour 照光顏色
Incandescent lamp (AC/DC) 白熱燈	06I	6V	50mA	*
	14I	14V	50 mA	*
	28I	28V	50 mA	*
LED lamp (DC) LED燈	06L	6V	25 mA	Red (R) White (W)
	12L	12V	25 mA	Green (G) Blue (B)
	24L	24V	25 mA	Yellow(Y)
Neon lamp (AC) 霓虹燈	110N	110V	1.2 mA	Red (R)
	220N	220V	1.2 mA	Green (G)

■ 燈泡外觀尺寸 (T13/4燈座)

鎢絲燈泡 Incandescent lamp



LED lamp



霓虹燈泡 Neon lamp



Type No.

16mmø Series Code A16

R S 24L R
① ② ③ ④

① Shape 形狀

Shape	Code
Round	R
Square	S
Rectangular	T
Guard	RL
Round	PL

② Terminal Style 端子型式

Terminal	Code
Solder / Plug-in	S
PC board	P

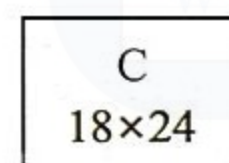
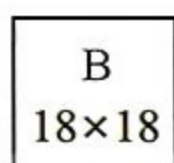
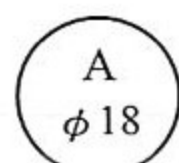
③ Lamp 燈泡

Incandescent (AC/DC)		Neon (AC)		LED(DC)	
V	Code	V	Code	V	Code
6V	06 I	110V	1N	6V	06L
14V	14 I	220V	2N	12V	12L
28V	28 I			24V	24L

- Neon lamp color : Red (B) Green (G)
- LED lamp color : Red (R) Green (G) Yellow (Y) White(W) Blue (B)

④ Lens Color 燈蓋顏色

Color	Code
Red	R
Green	G
Yellow	Y
Orange	O
White	W
Blue	B

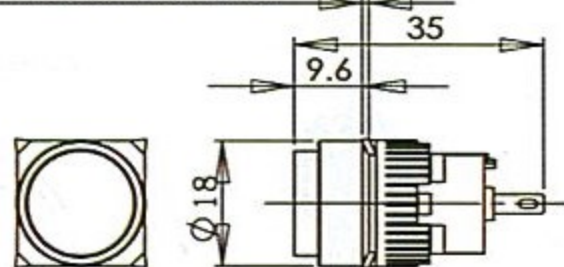


16mmø Pilot Light

Round Shape : R
A16R



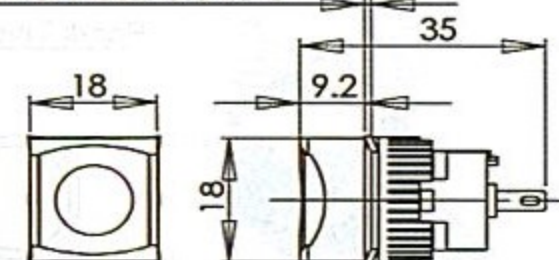
Panel Thickness: 0.5 to 6



Square Shape : S
A16S



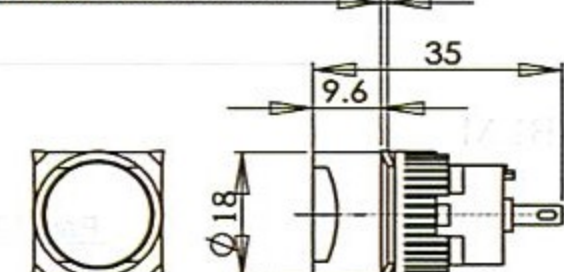
Panel Thickness: 0.5 to 6



Guard Shape :
A16RL



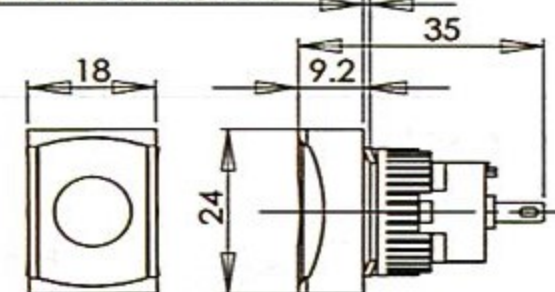
Panel Thickness: 0.5 to 6



Rectangular Shape : T
A16T



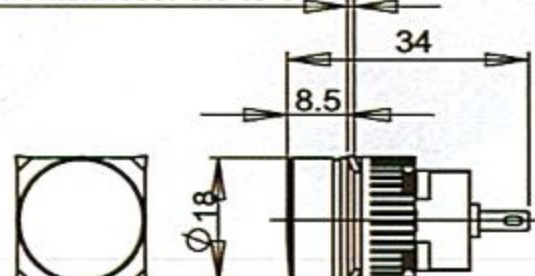
Panel Thickness: 0.5 to 6



A16PL



Panel Thickness: 0.5 to 6

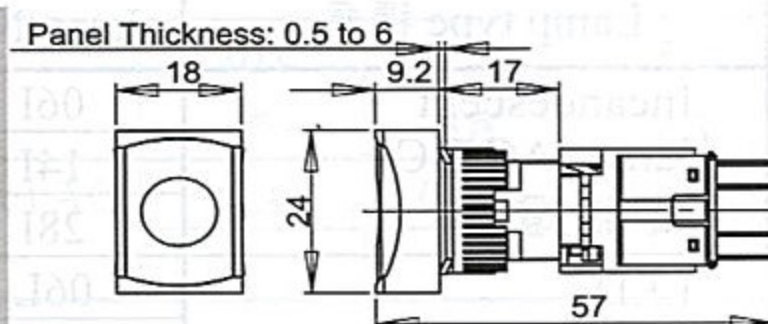


16mmø Push button switch

A16	R	M	S	2	R
①	②	③	④	⑤	⑥

Item	Code	Description
1. Mounting Hole	A16	16mm ϕ Series
2. Shape	R	Round
	S	Square
	T	Rectangular
	G	Guard
3. Operation	M	Momentary Push Button
	A	Alternate Push Button
4. Terminal Style	S	Solder Tabs/Quick Connectors
	P	PC Board
5. Contact	1	1 N/O + 1 N/C
	2	2 N/O + 2 N/C
	3	4 N/O
	4	4 N/C
6. Lens Colour	R	Red
	G	Green
	Y	Yellow
	O	Orange
	W	White
	B	Blue

A16 TM
A16 TA

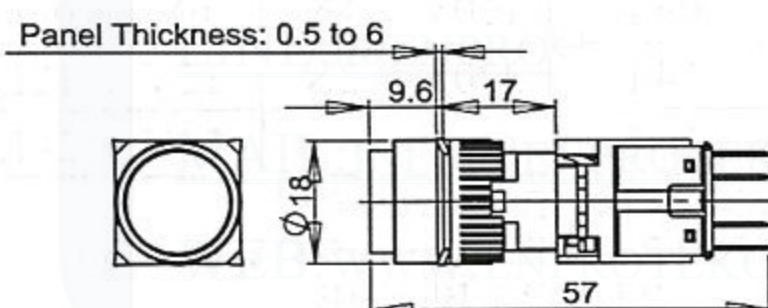


16mmø Mushroom Head Type Switches

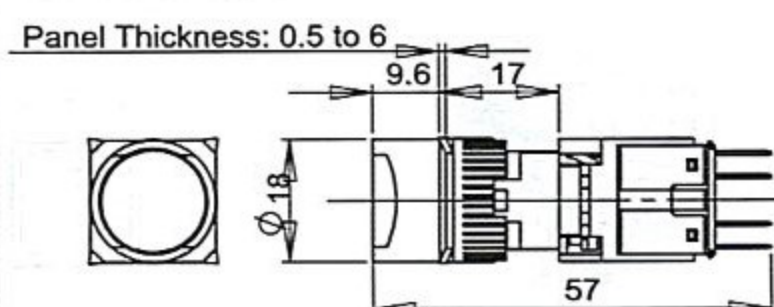
A16	LMB	S	2	R
①	②	③	④	⑤

Item	Code	Description
1. Mounting Hole	A16	16mm ϕ Series
2. Shape	LM	26.5 ϕ Latching Mushroom Pushbutton
	BLM	32 ϕ Latching Mushroom Pushbutton
	LMB	26.5 ϕ Latching Mushroom Pushbutton
	BLMB	32 ϕ Latching Mushroom Pushbutton
	LMS	Latching Mushroom Pushbutton
	E	Momentary Mushroom Pushbutton
3. Terminal Style	S	Solder Tabs
	P	PC Board
4. Contact	1	1N/C
	2	1 N/O + 1 N/C
	3	2 N/C
	4	2 N/O+2N/C
5. Lens Color	R	Red
	G	Green
	Y	Yellow
	O	Orange
	W	White
	B	Blue

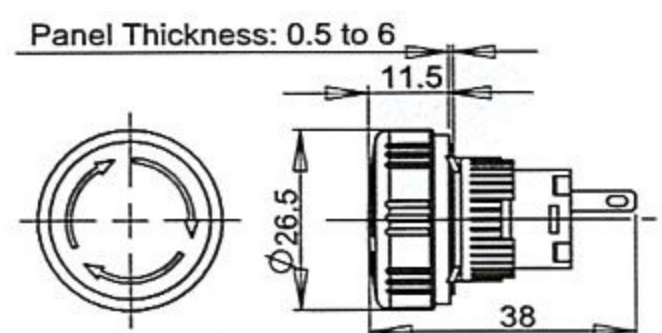
A16 RM
A16 RA



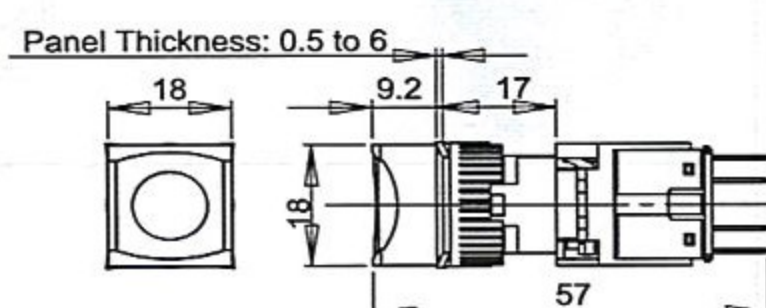
A16 GM
A16 GA



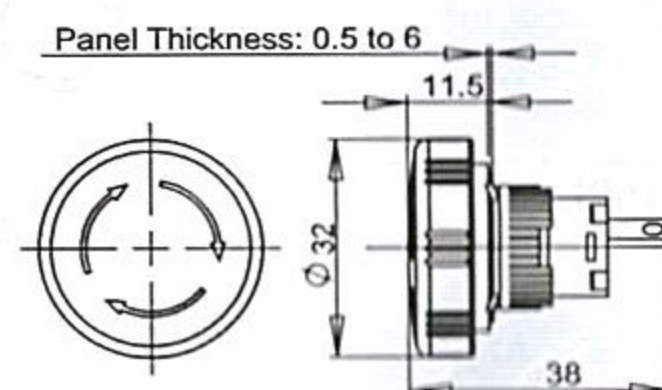
A16-LM



A16 SM
A16 SA

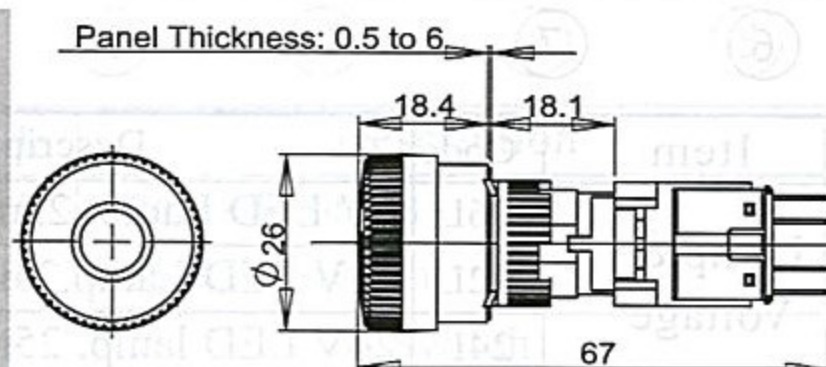


A16-BLM



16mmø Mushroom head E-stop switch

A16-E

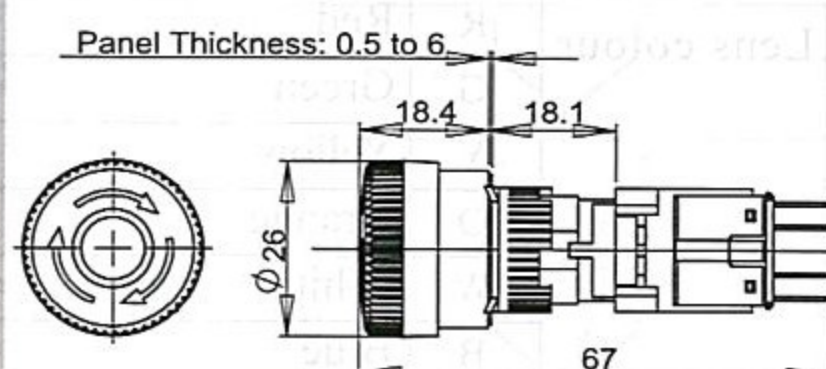


16mmø Illuminated Mushroom head type switch

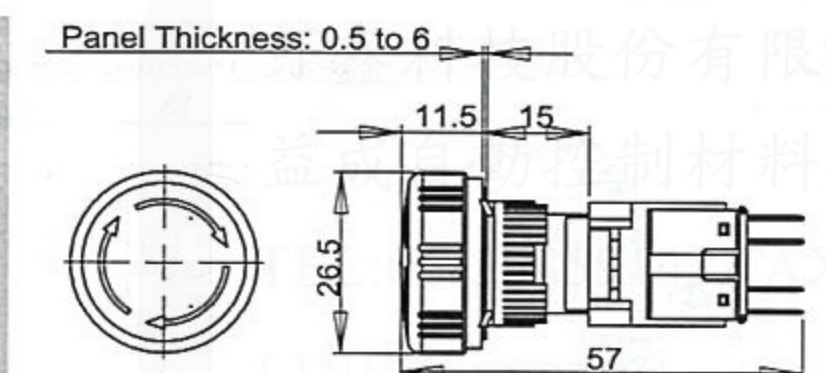
A16	E	S	1	24L	R
①	②	③	④	⑤	⑥

Item	Code	Description
1. Mounting Hole	A16	16mm ø Series
2. Shape	E	Momentary
	LM	Latching
3. Terminal Style	S	Solder Tabs
	P	PC Board
4. Contact	1	1 N/O + 1 N/C
	2	2 N/O + 2 N/C
	3	4N/O
	4	4N/C
5. Lamp & Voltage	12L	12V LED lamp, 25mA DC
	24L	24V LED lamp, 25mA DC
	12I	12V Incandescent, 50mA, AC/DC
	24I	24V/28V Incandescent, 50mA, AC/DC
	1N	110V neon lamp, 1.2mA, AC
	2N	220V neon lamp, 1.2mA, AC
6. Lens colour	R	Red
	G	Green
	Y	Yellow
	O	Orange
	W	White
	B	Blue

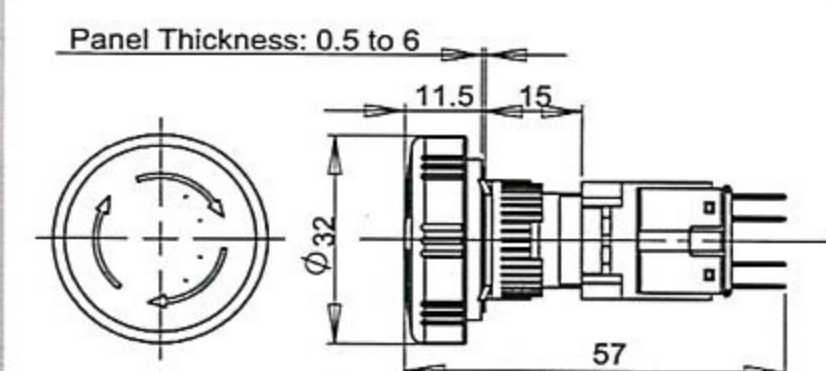
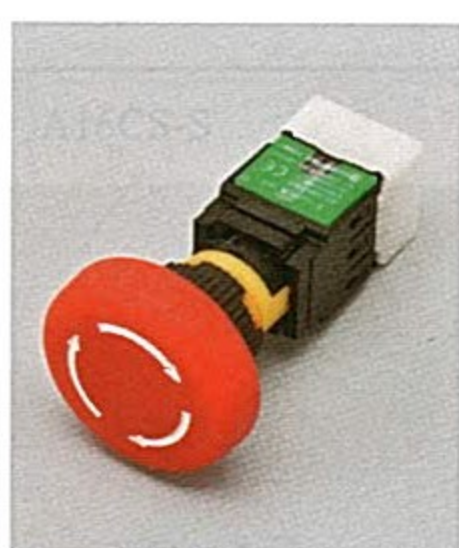
A16-LMS



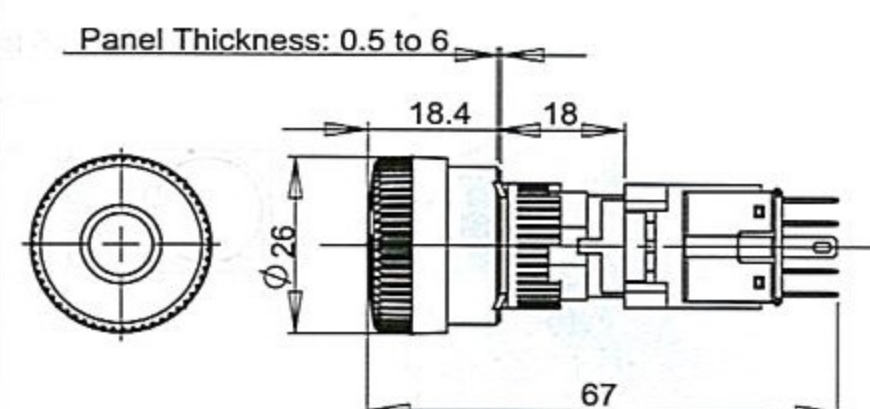
A16-LMB



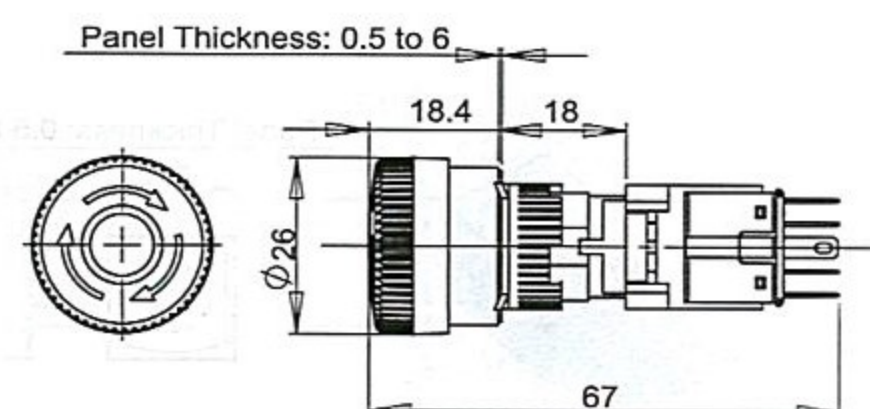
A16-BLMB



A16-E Illuminated



A16-LM Illuminated



16mmø Illuminated Push button switch

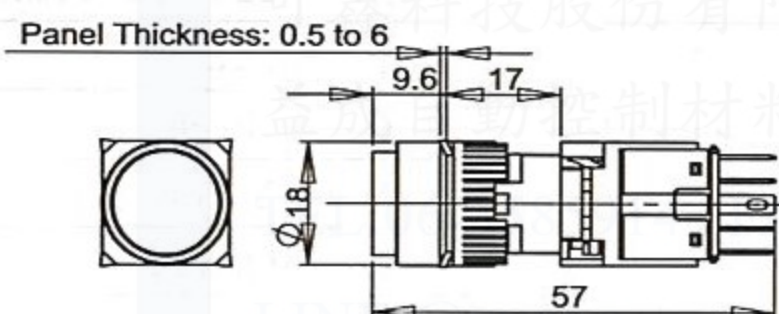
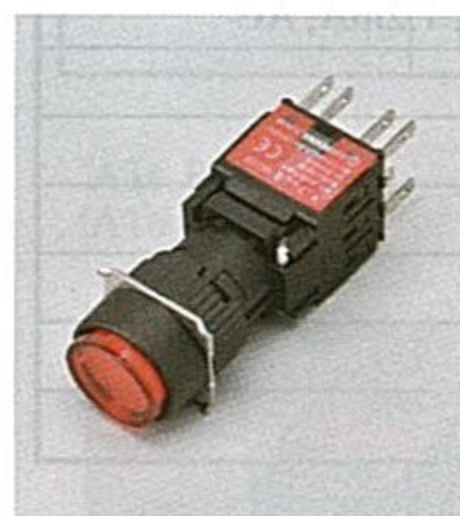


A16	R	M	S	2	24L	R
①	②	③	④	⑤	⑥	⑦

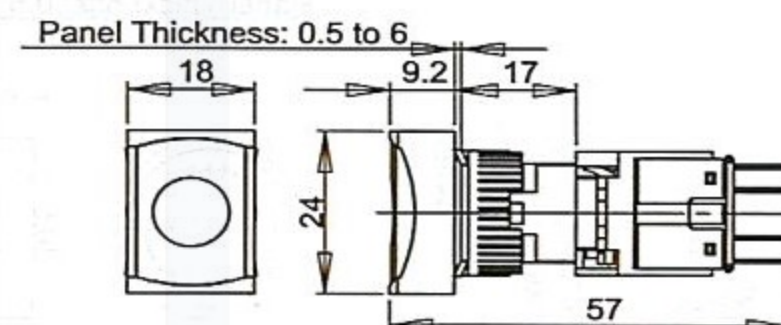
Item	Code	Description
1. Mounting Hole	A16	16mm ϕ series
3. Shape	R	Round
	S	Square
	T	Rectangular
	G	Guard
3. Operation	M	Mementary pushbutton
	A	Alternate pushbutton
4. Terminal style	S	Solder tabs/Quick connectors
	P	PC board
5. Contact	1	1N/O+1N/C
	2	2N/O+2N/C
	3	4N/O
	4	4N/C

Item	Code	Description
6. Lamp & Voltage	06L	6V LED Lamp, 25mA DC
	12L	12V LED Lamp, 25mA DC
	24L	24V LED lamp, 25mA DC
	06I	6V Incandescent, 50mA, AC/DC
	12I	12V Incandescent, 50mA, AC/DC
	24I	24V/28V Incandescent, 50mA, AC/DC
	1N	110V neon lamp, 1.2mA, AC
	2N	220V neon lamp, 1.2mA, AC
7. Lens colour	R	Red
	G	Green
	Y	Yellow
	O	Orange
	W	White
	B	Blue

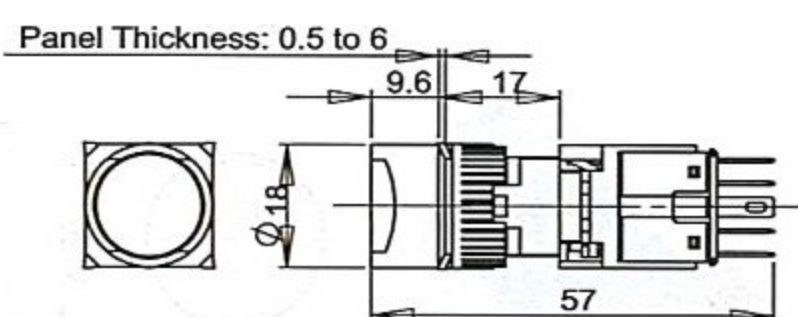
A16 RM
A16 RA Illuminated



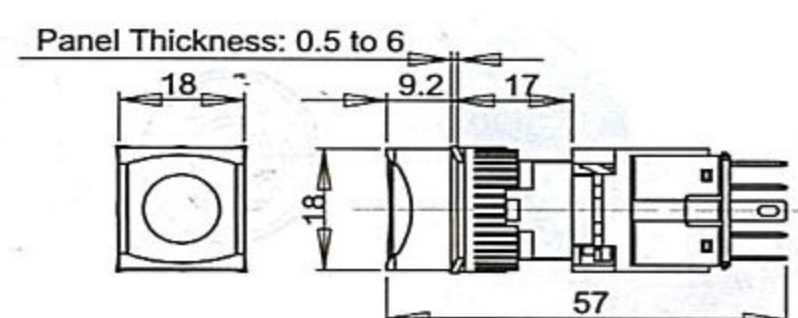
A16 TM
A16 TA Illuminated



A16 GM
A16 GA Illuminated



A16 SM
A16 SA Illuminated



可鑫科技股份有限公司

益成自動控制材料行

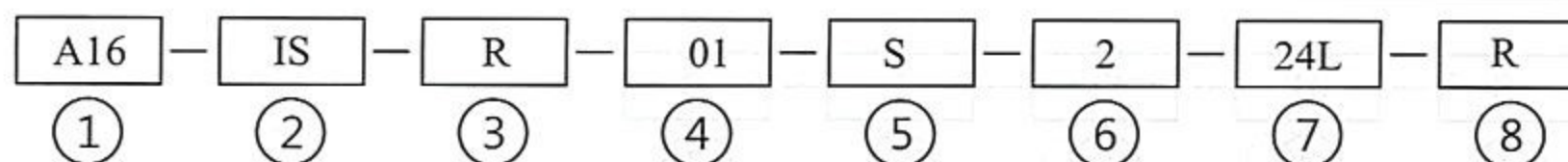
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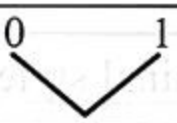
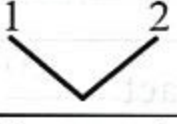
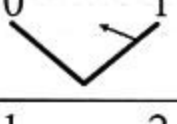
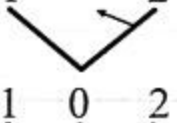
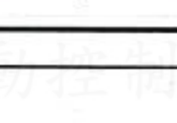
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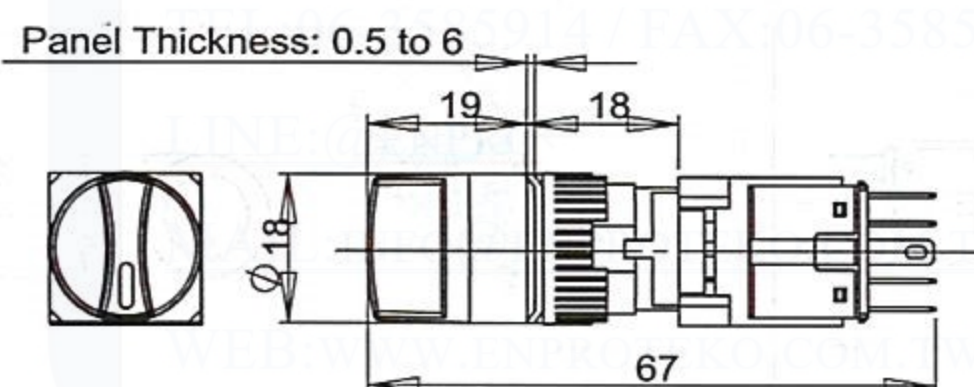
16mmø Illuminated selector switch



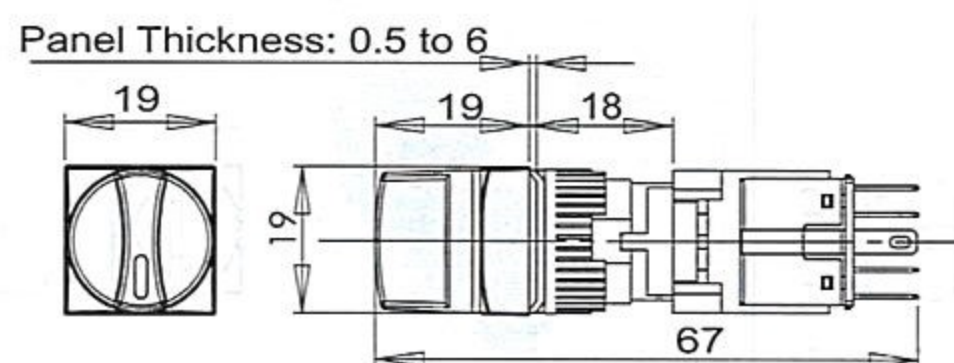
Item	Code	Description
1. Mounting Hole	A16	16mm ø series
2. Style	IS	Illuminated selector switch
3. Shape	R	Round
	S	Square
	T	Rectangular
4. Operation	01	Maintain 2 position 
	12	Maintain 2 position 
	01R	Spring return 2 position 
	12R	Spring return 2 position 
	3O	Maintain 3 position 
	3RR	Spring return Right side 
	3LR	Spring return Left side 
	3OR	Spring return Both side 

Item	Code	Description
5. Terminal style	S	Solder tabs / quick connectors
	P	PC board
6. Contact		2 position
	1	1 N/O + N/C
	2	2 N/O + 2N/C
	3	4 N/O
	4	4 N/C
7. Lamp&voltage		3 Position
	12L	12V LED lamp 25mA DC
	24L	24V LED lamp 25mA DC
	12I	12V Incandescent 50mA
	24I	24V/28V Incandescent 15mA
	1N	110V neon lamp 1.2mA.AC
	2N	220V neon lamp 1.2mA.AC
8. Knob colour	R	Red
	G	Green
	Y	Yellow
	W	White
	B	Blue

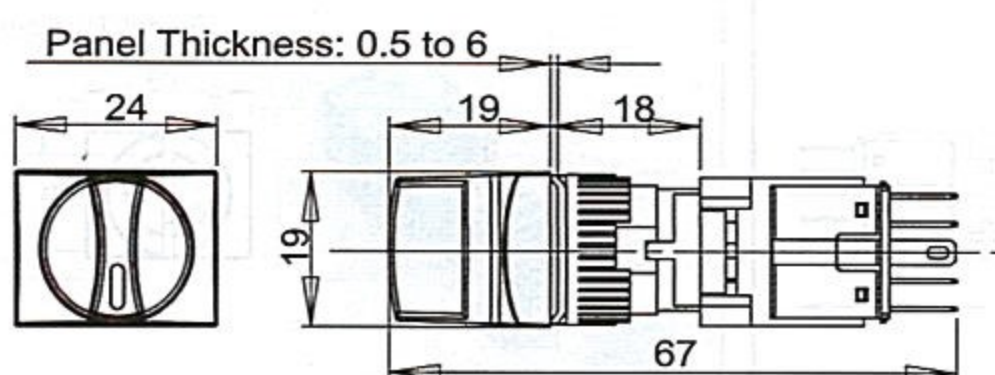
A16IS-R



A16IS-S

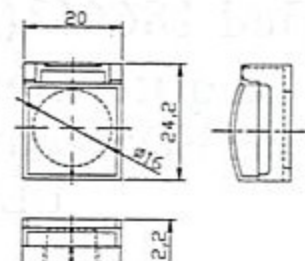
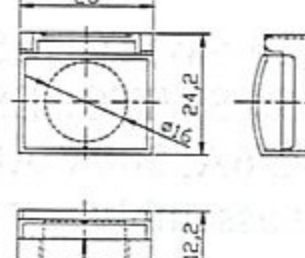
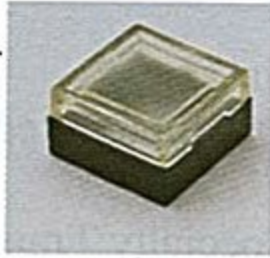
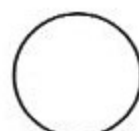
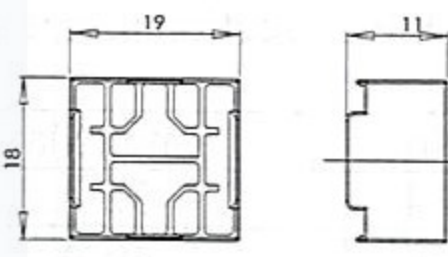
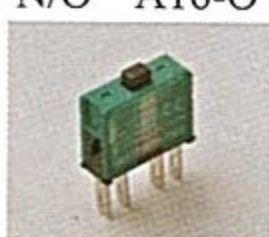


A16IS-T



Accessories



Category		Category																																																									
Pilot light lens 	A16 PL-R G Y O W B	A163 Protect cap square 																																																									
Round lens 	A16 GR-R G Y O W B	A164 Protect cap Rectangular 																																																									
square lens 	A16 S-R G Y O W B	A165 Dust-proof cover square 																																																									
Rectangular lens 	A16 T-R G Y O W B	A166 Dust-proof cover Rectangular 																																																									
Marking plate A16-RP A16-SP A16-TP   		A16 - RP - ☐ A16 - SP - ☐ A16 - TP - ☐																																																									
<table><tr><td>○</td><td>I</td><td>ON</td><td>OFF</td><td>START</td><td>STOP</td><td>UP</td></tr><tr><td>01</td><td>02</td><td>03</td><td>04</td><td>05</td><td>06</td><td>07</td></tr><tr><td>DOWN</td><td>CLOSE</td><td>AUTO</td><td>HAND</td><td>FWD</td><td>REV</td><td>RESET</td></tr><tr><td>08</td><td>09</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>OPEN</td><td>↑</td><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>FAST</td><td>SLOW</td></tr><tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr></table>		○	I	ON	OFF	START	STOP	UP	01	02	03	04	05	06	07	DOWN	CLOSE	AUTO	HAND	FWD	REV	RESET	08	09	10	11	12	13	14	OPEN	↑	0	1	2	3	4	15	16	17	18	19	20	21	5	6	7	8	9	FAST	SLOW	22	23	24	25	26	27	28	A 167 Terminal cover for N/O & N/C contact 	
○	I	ON	OFF	START	STOP	UP																																																					
01	02	03	04	05	06	07																																																					
DOWN	CLOSE	AUTO	HAND	FWD	REV	RESET																																																					
08	09	10	11	12	13	14																																																					
OPEN	↑	0	1	2	3	4																																																					
15	16	17	18	19	20	21																																																					
5	6	7	8	9	FAST	SLOW																																																					
22	23	24	25	26	27	28																																																					
		A168 																																																									
		A16-PB-C push button coupler 																																																									
A161 Lamp extractor 																																																											
A162 Mounting wrench 																																																											
Contact block 	N/O A16-O 	N/C A16-C 	Illuminated contact support 																																																								
		A16-IS 	Contact Support A16-S 																																																								