

A1-A01-A02-A03 series

Industrial controls

Distinctive features

The A01 and A02 series offer ranges of :

- pushbutton switches, illuminated or not
- indicators
- 2 or 3 position keylock switches
- 2 or 3 position rotary lever switches
- emergency stop switches

with rectangular, square or round operators.

New!

- Custom engraved aluminium pushbutton switches, A1 series
- Switch enclosures
- Pushbutton switches and indicators, A03 series

- Environmental protection : IP65
- Modular construction
- Electrical life : 50.000 cycles min.
- Screen engraving or insertable legends on request
- Approvals



BS RIA 20 Shock & Vibration



Each sub-assembly has to be ordered separately.

A01 - A1 - A03 series

- Panel cut-out :
 - Ø 16 mm (.630), except :
 - flush mount round : Ø 22 mm (.866)
 - flush mount rectangular : 20.60 x 26.70 mm
 - flush mount square : 20.60 x 20.60 mm
 - A1 series : Ø 22 mm (.866)
 - A03 series : round or square Ø 22 (.866)
flush mount : Ø 30 mm (1.378)
- 1, 2, 3 and 4 poles
- Solder lug/quick-connect terminals
- Contacts : silver, gold plated
- Current/voltage rating :
6A 250VAC max. - 10mA 5VAC min.
- Lamp : filament, neon or LED

A02 series

- Panel cut-out :
 - round or square : Ø 22 mm (.866)
 - rectangular : 29,5 x 21,5 mm (1.160x.846)
 - flush mount : Ø 30 mm (1.378)
 - 1 and 2 poles
 - Screw terminals (optional : quick-connect term.)
 - Contacts : silver
 - Current/voltage rating : 12A 380VAC
16A 250VAC max. - 25mA 5VAC min.
 - Lamp : filament, neon, LED
or special multi-LED array
- Option : end cap terminal guard. Order separately (see end of A02 series).

Packaging unit :

A1 : 25 pieces - A01 : 20 pieces (except pushbuttons: 25 pieces) - A02 : 25 pieces - A03 : 10 pieces.

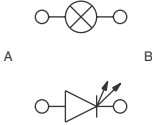
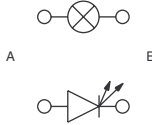
Dimensions : first dimensions are in mm while inches are shown as bracketted numbers.

A1-A01-A02-A03 series

Industrial controls

Specifications for pushbutton, keylock and rotary switches

ELECTRICAL SPECIFICATIONS

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

GENERAL SPECIFICATIONS

	A01 - A1 - A03	A02
• Min. mechanical life :	Pushb. momentary : 1 million cycles Pushb. maintained : 100.000 cycles Keylock and rotary : 100.000 cycles	Pushb. momentary: 1 million cycles Pushb. maintained : 100.000 cycles Keylock and rotary : 100.000 cycles
• Panel thickness	8 mm (.315) max.	8 mm (.315) max.
• Operating temperature :	-20°C to +55°C	-20°C to +85°C
• Solder heat resistance : (IEC 68-2-20Tb, method 2)	350°C, 5 sec.	350°C, 5 sec.
• Degree of environmental protection (IEC 529)	IP 65 front of panel IP 40 back of panel	IP 65 front of panel IP 40 back of panel
• Lamps :	Midget Grooved T1 _{3/4} , filament, LED or neon	Midget Grooved T1 _{3/4} , filament, LED or neon Special multi-LED array
• Switch terminals :	Solder/quick-connect 2,8 mm (.110)	M3 screws - wire 2 x 0,75 mm ² max.
• Lamp terminals :	Solder/quick-connect 2,8 mm (.110)	M3 screws Flexible wire 2 x 2,5 mm ² max. Rigid wire 4 mm ² max.

Specifications for emergency stop switches : see pages 10 and 22.

For screen engraving or film legends, contact APEM.

A02 series

Illuminated or non-illuminated pushbutton switches

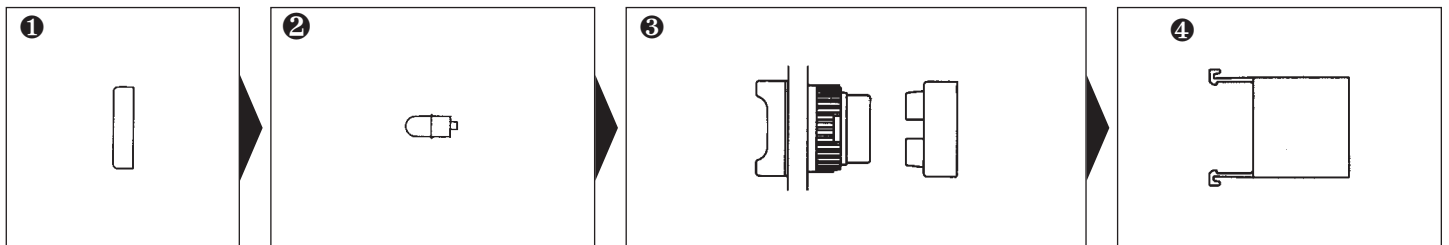
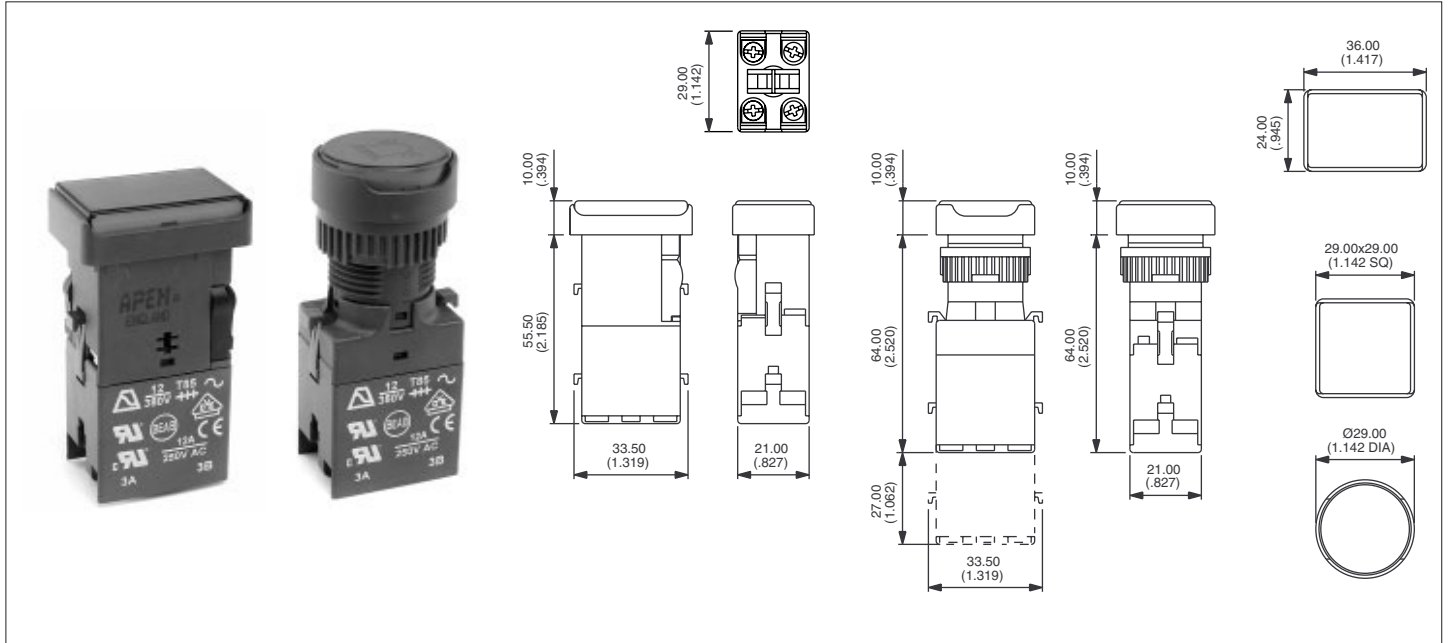
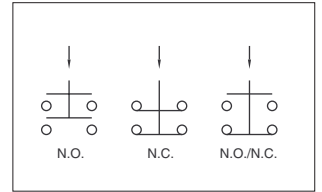
Panel cut-out \varnothing 22 (.866) or 29,5 x 21,5 (1.160x.846)

A pushbutton assembly requires :

screen + lamp (if illuminated) + operator + one or two switch blocks.

To order these elements, select desired model numbers from tables below.

Example : IP65 illuminated rectangular maintained pushbutton, switch block with 2 N.O. contacts, red screen and 12V red LED assembly = A0261B, A0242J1, A0201X and A02503UL.



Screen

Lamp

Operator

Switch block

Bezel	Colour	Part No	Lamp	Voltage	Part No	Bezel	Description	Lamp type	Part No	Contacts	Part No
<input type="checkbox"/>	black	A0261A	Filament	6.3V	A0141A	<input type="checkbox"/>	illum, momentary	Lamp/LED	A0201Y	1 N.O.	A02501UL
<input type="checkbox"/>	red	A0261B	Filament	14V	A0141B	<input type="checkbox"/>	illum, maintained	Lamp/LED	A0201X	1 N.C.	A02502UL
<input type="checkbox"/>	amber	A0261C	Filament	28V	A0141C	<input type="checkbox"/>	illum, momentary	LED assy	A0202Y	2 N.O.	A02503UL
<input type="checkbox"/>	yellow	A0261D	Filament	36V	A0141D	<input type="checkbox"/>	illum, maintained	LED assy	A0202X	2 N.C.	A02504UL
<input type="checkbox"/>	green	A0261E	Filament	48V	A0141E	<input type="checkbox"/>	Non-illum, maintained		A0203X	1 N.O./1 N.C.	A02505UL
<input type="checkbox"/>	blue	A0261F	Filament	60V	A0141F	<input type="checkbox"/>	Non-illum, momentary		A0203Y		
<input type="checkbox"/>	clear	A0261G	Neon	110V	A0143G	<input type="checkbox"/>	illum, momentary	Lamp/LED	A0204Y		
<input type="checkbox"/>	white	A0261J	Neon	220V	A0143H	<input type="checkbox"/>	illum, maintained	Lamp/LED	A0204X		
<input type="checkbox"/>	black	A0262A	LED	model numbers: see A01 pages G6-G7.		<input type="checkbox"/>	illum, momentary	LED assy	A0205Y		
<input type="checkbox"/>	red	A0262B	LED assy	6V	A0242H*	<input type="checkbox"/>	illum, maintained	LED assy	A0205X		
<input type="checkbox"/>	amber	A0262C	LED assy	12V	A0242J*	<input type="checkbox"/>	Non-illum, momentary		A0206Y		
<input type="checkbox"/>	yellow	A0262D	LED assy	24V	A0242K*	<input type="checkbox"/>	Non-illum, maintained		A0206X		
<input type="checkbox"/>	green	A0262E	LED assy	6V	A0243H*	<input type="checkbox"/>	illum, momentary	Lamp/LED	A0207Y	1 N.O.	A02506UL
<input type="checkbox"/>	blue	A0262F	LED assy	12V	A0243J*	<input type="checkbox"/>	illum, maintained	Lamp/LED	A0207X	1 N.C.	A02507UL
<input type="checkbox"/>	clear	A0262G	LED assy	24V	A0243K*	<input type="checkbox"/>	illum, momentary	LED assy	A0208Y	2 N.O.	A02508UL
<input type="checkbox"/>	white	A0262J	LED assy	6V	A0244H*	<input type="checkbox"/>	illum, maintained	LED assy	A0208X	2 N.C.	A02509UL
<input type="checkbox"/>	black	A0263A	LED assy	12V	A0244J*	<input type="checkbox"/>	Non-illum, momentary		A0209Y	1 N.O./1 N.C.	A02510UL
<input type="checkbox"/>	red	A0263B	LED assy	24V	A0244K*	<input type="checkbox"/>	Non-illum, maintained		A0209X		
<input type="checkbox"/>	amber	A0263C	Replace * with colour code		1: red						
<input type="checkbox"/>	yellow	A0263D	for LED assemblies:		2: green						
<input type="checkbox"/>	green	A0263E			3: amber						
<input type="checkbox"/>	blue	A0263F									
<input type="checkbox"/>	clear	A0263G									
<input type="checkbox"/>	white	A0263J									

Second switch block

Contacts	Part No
1 N.O.	A02506UL
1 N.C.	A02507UL
2 N.O.	A02508UL
2 N.C.	A02509UL
1 N.O./1 N.C.	A02510UL

To achieve 3 or 4 pole switching, add second switch block, from above table.

White or blue LED assembly : contact APEM.

UNSEALED SWITCHES (IP40) :

add "01" to end of operator model number.

SCREEN ENGRAVING / INSERTABLE LEGENDS : contact APEM.

Bezel: rectangular, square, round, 'illum' - illuminated, 'Non-illum' - non illuminated

A02 series

Metal bezel pushbutton switches and indicators

Panel cut-out Ø 22 (.866)

A pushbutton assembly requires :

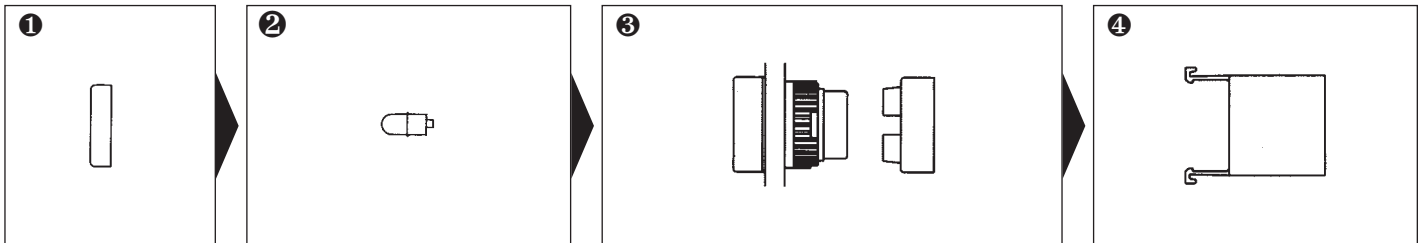
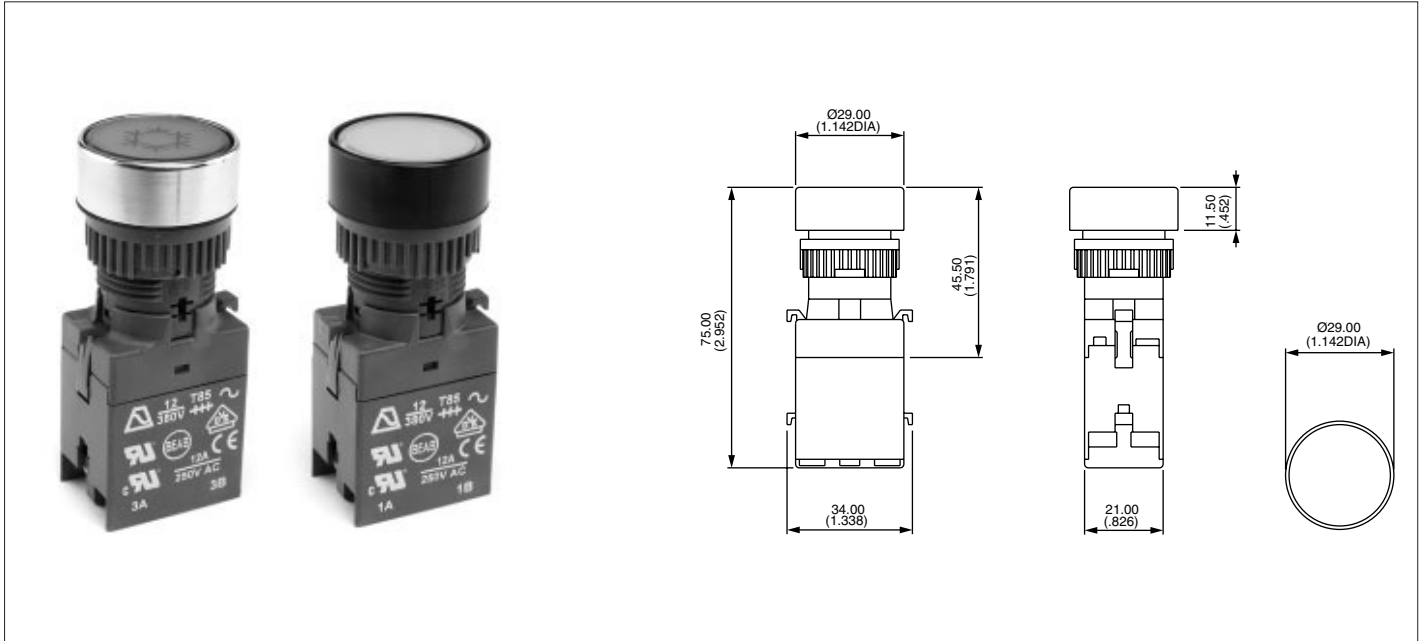
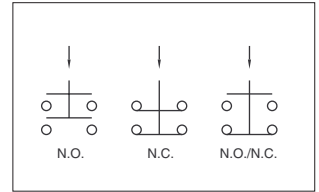
screen + lamp (if illuminated) + operator + one or two switch blocks.

An indicator assembly requires :

screen + lamp + operator

To order these elements, select desired model numbers from tables below.

Example : IP65 illuminated metal bezel maintained pushbutton, switch block with 2 N.O. contacts, red screen and 12V red LED assembly = A0263B, A0244J1, A0211X and A02503UL.



Screen			Lamp			Operator				Switch block	
Bezel	Colour	Part No	Lamp	Voltage	Part No	Bezel	Description	Lamp type	Part No	Contacts	Part No
○	black	A0263A	Filament	6.3V	A0141A	○	illum, momentary	Lamp/LED	A0210Y	1 N.O.	A02501UL
○	red	A0263B	Filament	14V	A0141B	○	illum, maintained	Lamp/LED	A0210X	1 N.C.	A02502UL
○	amber	A0263C	Filament	28V	A0141C	○	illum, momentary	LED assy	A0211Y	2 N.O.	A02503UL
○	yellow	A0263D	Filament	36V	A0141D	○	illum, maintained	LED assy	A0211X	2 N.C.	A02504UL
○	green	A0263E	Filament	48V	A0141E	○	Non-illum, momentary		A0212Y	1 N.O./1 N.C.	A02505UL
○	blue	A0263F	Filament	60V	A0141F	○	Non-illum, maintained		A0212X		
○	clear	A0263G	Neon	110V	A0143G	○	illum, indicator	Lamp/LED	A0277		
○	white	A0263J	Neon	220V	A0143H	○	illum, indicator	LED assy	A0278		
			LED model numbers: see A01 pages G6-G7.			Std bezel material : nickel plated brass.					
			LED assy ○ 6V A0244H*			For optional black finish, add "G" to the end of operator model number.					
			LED assy ○ 12V A0244J*			UNSEALED SWITCHES (IP40) :					
			LED assy ○ 24V A0244K*			add "01" to end of operator model number.					
			Replace * with colour code 1: red								
			for LED assemblies: 2: green								
			3: amber								
			White or blue LED assembly :			Second switch block					
			contact APEM.			Contacts Part No					
						1 N.O. A02506UL					
						1 N.C. A02507UL					
						2 N.O. A02508UL					
						2 N.C. A02509UL					
						1 N.O./1 N.C. A02510UL					

To achieve 3 or 4 pole switching, add second switch block, from above table.

SCREEN ENGRAVING / INSERTABLE LEGENDS : contact APEM.

Bezel: □ rectangular, □ square, ○ round, 'illum' - illuminated, 'Non-illum' - non illuminated

A02 series

Flush mounting pushbutton switches and indicators

Panel cut-out Ø 30 (1.181)

A pushbutton assembly requires :

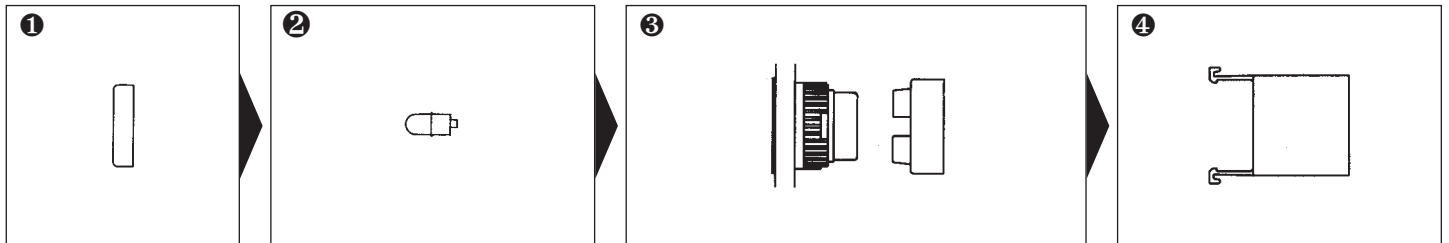
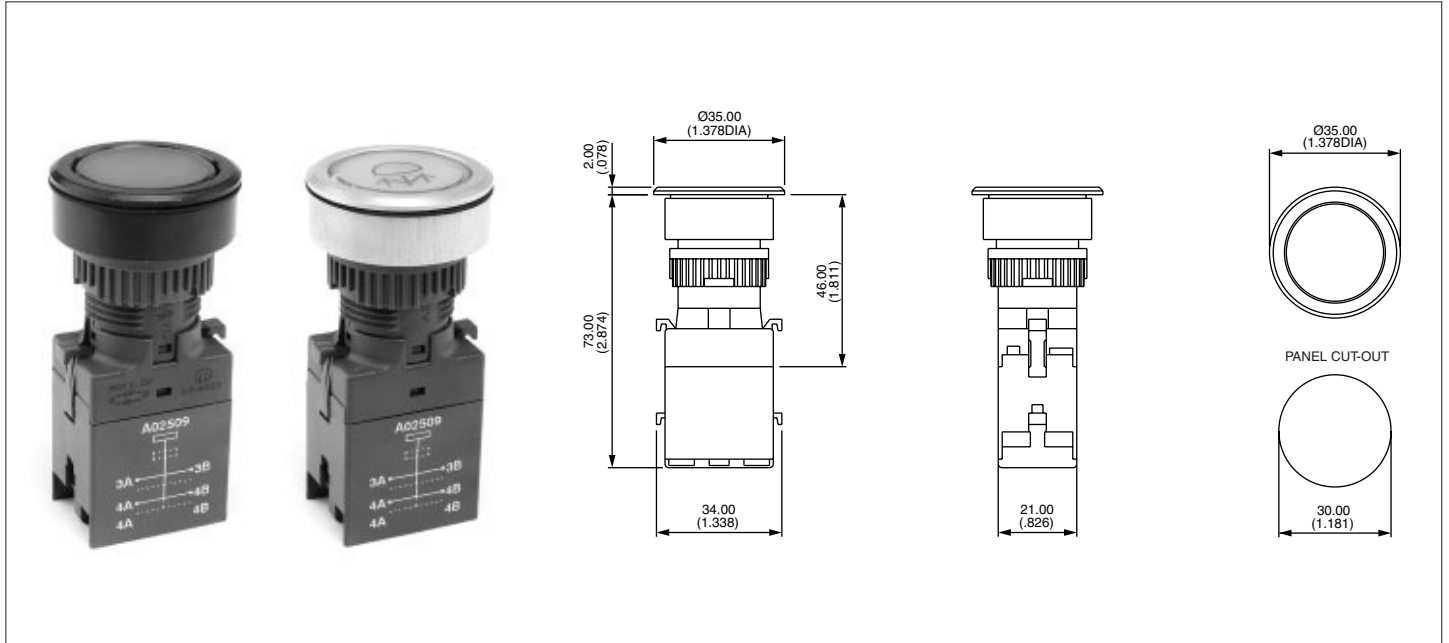
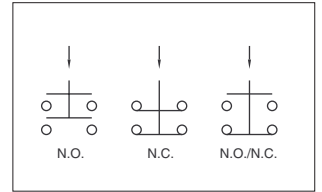
screen + lamp (if illuminated) + operator + one or two switch blocks.

An indicator assembly requires :

screen + lamp + operator

To order these elements, select desired model numbers from tables below.

Example : IP65 illum. flush mounting maintained pushbutton, switch block with 2 N.O. contacts, red screen and 12V red LED assembly = A0263B, A0244J1, A0213X and A02503UL.



Screen

Bezel	Colour	Part No
○	black	A0263A
○	red	A0263B
○	amber	A0263C
○	yellow	A0263D
○	green	A0263E
○	blue	A0263F
○	clear	A0263G
○	white	A0263J

Lamp

Lamp	Voltage	Part No
Filament	6.3V	A0141A
Filament	14V	A0141B
Filament	28V	A0141C
Filament	36V	A0141D
Filament	48V	A0141E
Filament	60V	A0141F
Neon	110V	A0143G
Neon	220V	A0143H
LED	model numbers: see A01 pages G6-G7.	
LED assy	○ 6V	A0244H*
LED assy	○ 12V	A0244J*
LED assy	○ 24V	A0244K*
Replace *	with colour code	1: red
for LED assemblies:		2: green
		3: amber

White or blue LED assembly : contact APEM.

Operator

Bezel	Description	Lamp type	Part No
○	illum, momentary	Lamp/LED	A0214Y
○	illum, maintained	Lamp/LED	A0214X
○	illum, momentary	LED assy	A0213Y
○	illum, maintained	LED assy	A0213X
○	Non-illum, momentary		A0215Y
○	Non-illum, maintained		A0215X
○	illum, indicator	Lamp/LED	A02791
○	illum, indicator	LED assy	A02792

Std bezel material : silver anodised aluminium.
For optional black anodised aluminium, add "G" to end of operator model number.

UNSEALED SWITCHES (IP40) :
add "01" to end of operator model number.

Switch block

Contacts	Part No
1 N.O.	A02501UL
1 N.C.	A02502UL
2 N.O.	A02503UL
2 N.C.	A02504UL
1 N.O./1 N.C.	A02505UL

Second switch block

Contacts	Part No
1 N.O.	A02506UL
1 N.C.	A02507UL
2 N.O.	A02508UL
2 N.C.	A02509UL
1 N.O./1 N.C.	A02510UL

To achieve 3 or 4 pole switching, add second switch block, from above table.

SCREEN ENGRAVING / INSERTABLE LEGENDS : contact APEM.

Bezel: □ rectangular, ◻ square, ○ round, 'illum' - illuminated, 'Non-illum' - non illuminated

A02 series

Indicators

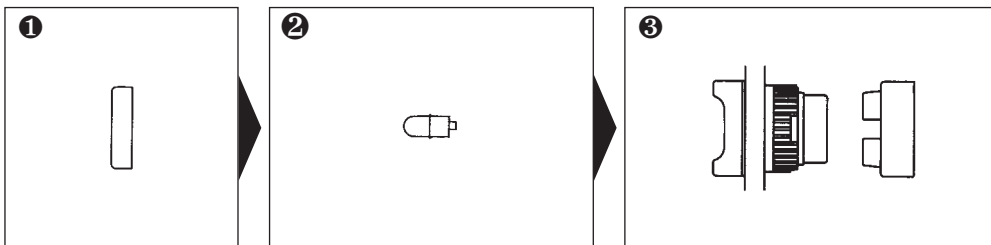
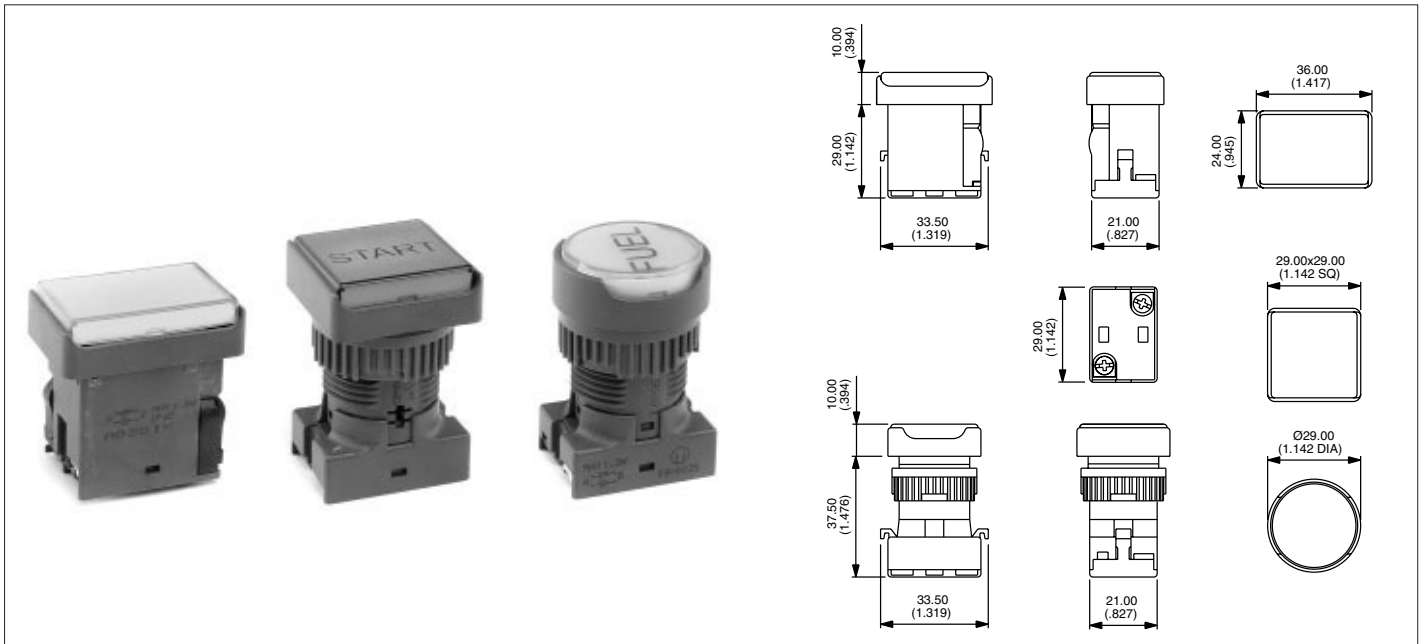
Panel cut-out Ø 22 (.866) or 29,5 x 21,5 (1.160x.846)

An indicator assembly requires :

Screen + lamp, LED or LED assembly + operator.

To order these elements, select desired model numbers from tables below.

Example : IP65 rectangular indicator with red screen and 12V red LED assembly = A0261B, A0242J1 and A0272.



Screen

Bezel	Colour	Part No
□	black	A0261A
□	red	A0261B
□	amber	A0261C
□	yellow	A0261D
□	green	A0261E
□	blue	A0261F
□	clear	A0261G
□	white	A0261J
□	black	A0262A
□	red	A0262B
□	amber	A0262C
□	yellow	A0262D
□	green	A0262E
□	blue	A0262F
□	clear	A0262G
□	white	A0262J
○	black	A0263A
○	red	A0263B
○	amber	A0263C
○	yellow	A0263D
○	green	A0263E
○	blue	A0263F
○	clear	A0263G
○	white	A0263J

Lamp

Lamp	Voltage	Part No
Filament	6.3V	A0141A
Filament	14V	A0141B
Filament	28V	A0141C
Filament	36V	A0141D
Filament	48V	A0141E
Filament	60V	A0141F
Neon	110V	A0143G
Neon	220V	A0143H
LED	model numbers: see A01 pages G6-G7.	
LED assy	□ 6V	A0242H*
LED assy	□ 12V	A0242J*
LED assy	□ 24V	A0242K*
LED assy	□ 6V	A0243H*
LED assy	□ 12V	A0243J*
LED assy	□ 24V	A0243K*
LED assy	○ 6V	A0244H*
LED assy	○ 12V	A0244J*
LED assy	○ 24V	A0244K*

Operator

Bezel	Description	Lamp type	Part No
□	Indicator	Lamp/LED	A0271
□	Indicator	LED assy	A0272
□	Indicator	Lamp/LED	A0273
□	Indicator	LED assy	A0274
○	Indicator	Lamp/LED	A0275
○	Indicator	LED assy	A0276

UNSEALED INDICATORS (IP40) :

add "01" to end of operator model number.

White or blue LED assembly :
contact APEM.

SCREEN ENGRAVING / INSERTABLE LEGENDS : contact APEM.

Bezel: □ rectangular, □ square, ○ round,

A02 series

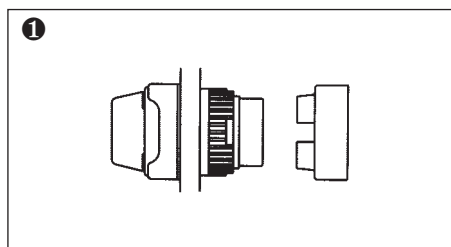
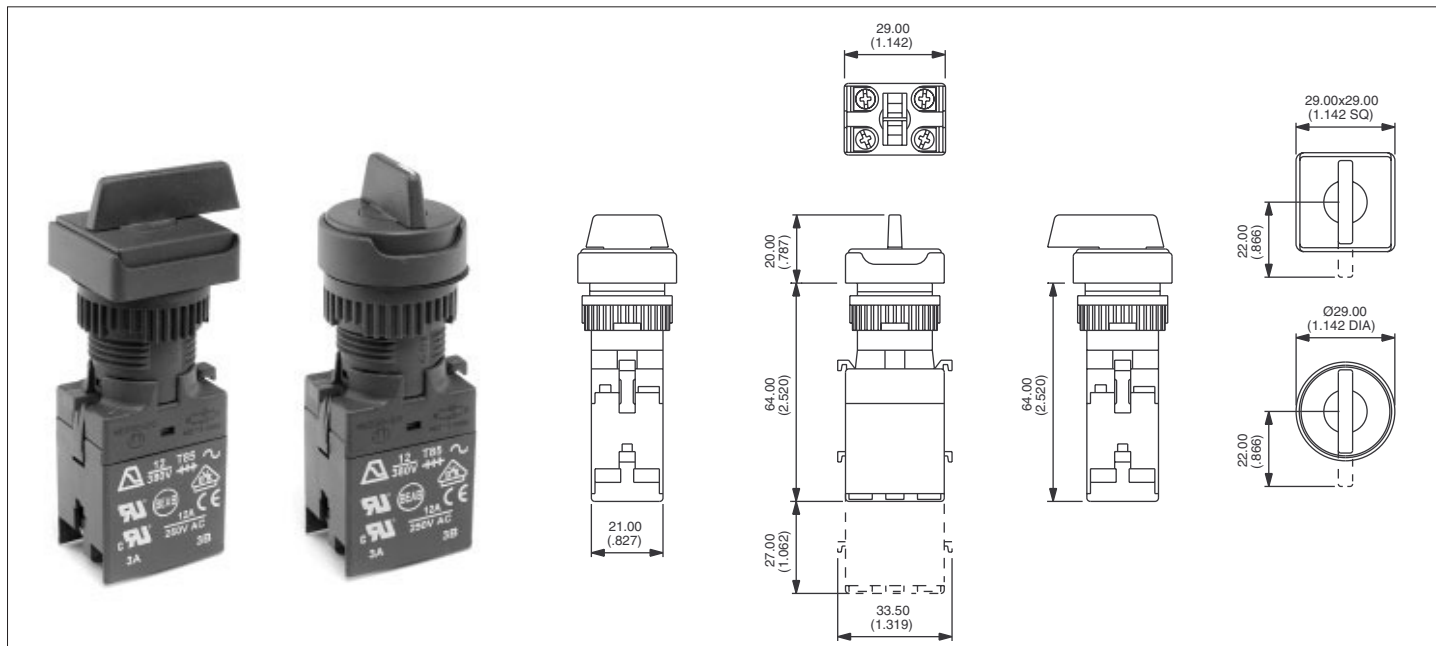
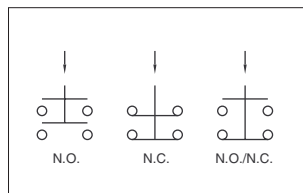
Rotary switches

Panel cut-out Ø 22 (.866)

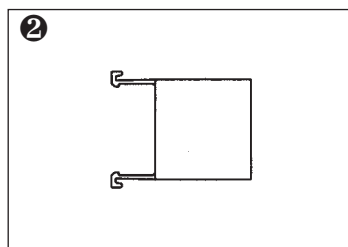
A rotary lever assembly requires :
operator + one or two switch blocks.

To order these elements, select desired model numbers from tables below.

Example : IP65 square 2 position maintained rotary switch with long lever, clockwise rotation, switch block with 2 N.O. contacts = A029107 and A02503UL.

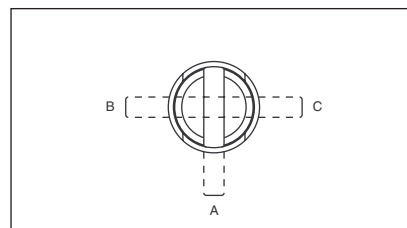


Operator



Switch block

Lever positions



• Lever Rotation - 2 position switches

The model numbers shown are for switches with clockwise lever rotation.

For anticlockwise rotation, replace :

07 with **01**
08 with **02**

at the end of the model number.

Optional engraving on lever end



To order, add "WL" to the end of the part No.
Example : A029407WL.

Bezel	Description	Short lever	Long lever
<input type="checkbox"/>	2 pos. maintained	A029207	A029107•
<input type="checkbox"/>	2 pos. momentary	A029208	A029108•
<input type="checkbox"/>	3 pos. maintained	A029203	A029103
<input type="checkbox"/>	3 pos. momentary	A029204	A029104
<input type="checkbox"/>	3 pos. mainL, momR	A029205	A029105
<input type="checkbox"/>	3 pos. momL, mainR	A029206	A029106
<input type="checkbox"/>	2 pos. maintained	A029407	A029307•
<input type="checkbox"/>	2 pos. momentary	A029408	A029308•
<input type="checkbox"/>	3 pos. maintained	A029403	A029303
<input type="checkbox"/>	3 pos. momentary	A029404	A029304
<input type="checkbox"/>	3 pos. mainL, momR	A029405	A029305
<input type="checkbox"/>	3 pos. momL, mainR	A029406	A029306

Contacts	Part No
1 N.O.	A02501UL
1 N.C.	A02502UL
2 N.O.	A02503UL
2 N.C.	A02504UL
1 N.O./1 N.C.	A02505UL

Second switch block

Contacts	Part No
1 N.O.	A02506UL
1 N.C.	A02507UL
2 N.O.	A02508UL
2 N.C.	A02509UL
1 N.O./1 N.C.	A02510UL

To achieve 3 or 4 pole switching, add second switch block, from above table.

OPTION

To specify flush mounting (30 mm Ø) option, add "FM" to the end of the part number (for round operators only).

Example : A029407FM.

Bezel: square, round,

A02 series

Keylock switches

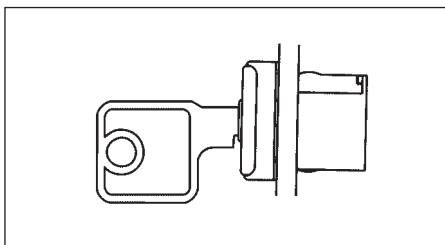
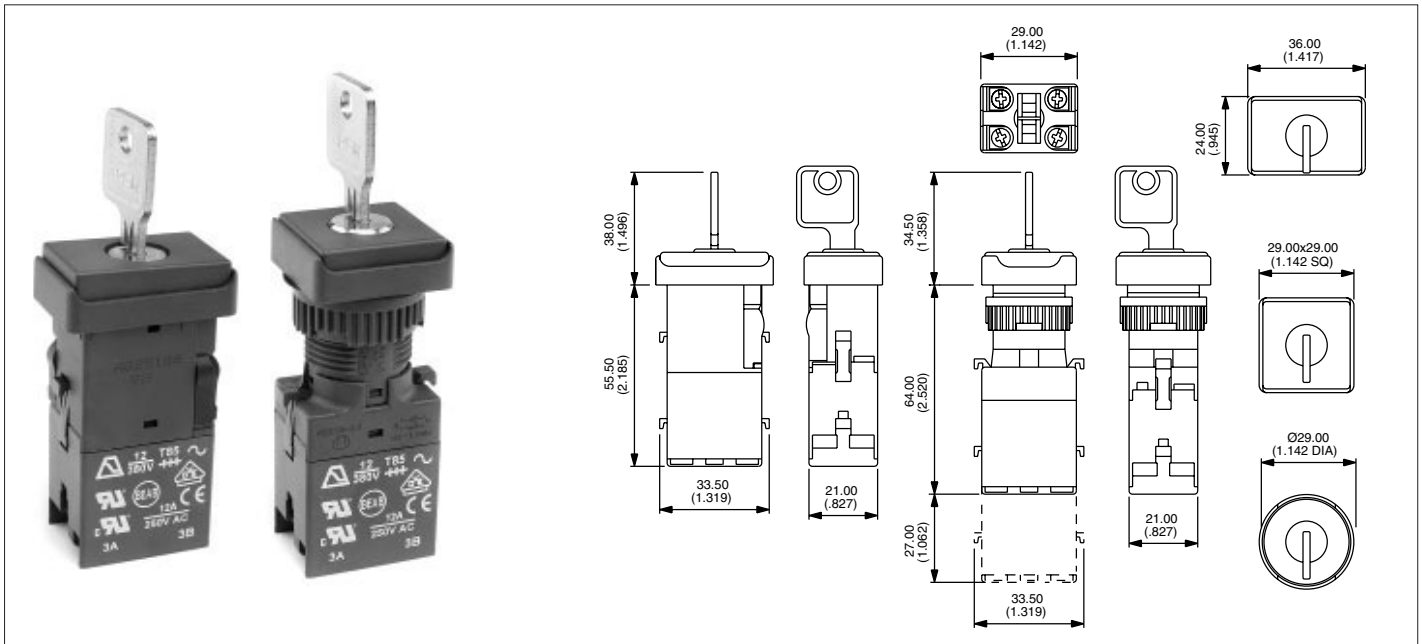
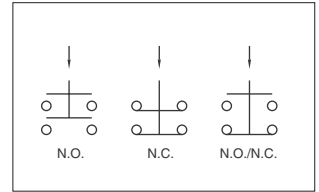
Panel cut-out Ø 22 or 29,5 x 21,5

A keyswitch assembly requires :

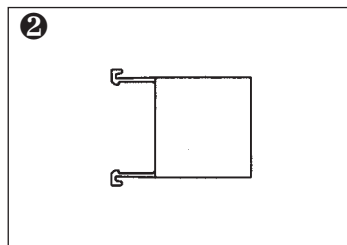
operator + one or two switch blocks.

To order these elements, select desired model numbers from tables below.

Example : IP65 square 2 position keyswitch, clockwise rotation, switch block with 2 N.O. contacts = A028220 and A02503UL.

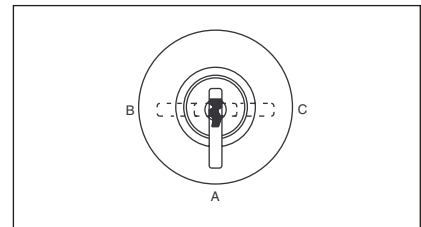


Operator



Switch block

Key positions



Bezel	Description	Part No	Key removable in positions
□	2 pos. maintained	A028120•	A-B
□	2 pos. momentary	A028119•	A
□	3 pos. maintained	A028105	A-B-C
□	3 pos. momentary	A028106	A
□	3 pos. mainL, momR	A028107	A-B
□	3 pos. momL, mainR	A028108	A-C
□	2 pos. maintained	A028220•	A-B
□	2 pos. momentary	A028219•	A
□	3 pos. maintained	A028205	A-B-C
□	3 pos. momentary	A028206	A
□	3 pos. mainL, momR	A028207	A-B
□	3 pos. momL, mainR	A028208	A-C
○	2 pos. maintained	A028320•	A-B
○	2 pos. momentary	A028319•	A
○	3 pos. maintained	A028305	A-B-C
○	3 pos. momentary	A028306	A
○	3 pos. mainL, momR	A028307	A-B
○	3 pos. momL, mainR	A028308	A-C

Contacts	Part No
1 N.O.	A02501UL
1 N.C.	A02502UL
2 N.O.	A02503UL
2 N.C.	A02504UL
1 N.O./1 N.C.	A02505UL

Second switch block

Contacts	Part No
1 N.O.	A02506UL
1 N.C.	A02507UL
2 N.O.	A02508UL
2 N.C.	A02509UL
1 N.O./1 N.C.	A02510UL

To achieve 3 or 4 pole switching, add second switch block, from above table

• Key Rotation - 2 position switches

The model numbers shown are for switches with clockwise key rotation. For anticlockwise rotation, replace:

20 with **01**
19 with **02**

at the end of the model number

- 2 standard keys are supplied.
- 20 key barrel types available from stock.

Non-removable key positions : contact APEM.

OPTION

To specify **flush mounting (30 mm Ø) option**, add "FM" to the end of the part number (for round operators only). Example : A028320FM.

Bezel: □ rectangular, □ square, ○ round,

A02 series

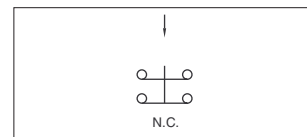
Emergency stop switches

Panel cut-out Ø 22 (.866)

- Prominent 40 mm (1.575) dia. red mushroom actuator
- Highly reliable positive break switch
- Push to shut off switch, twist to reset to ON
- Approved to UL 1054 / EN 60947-5-5

An emergency stop switch assembly requires : operator + switch block.

To order, specify with single pole or double pole positive break switch block.

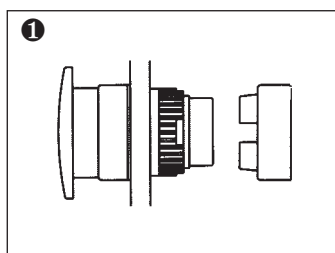
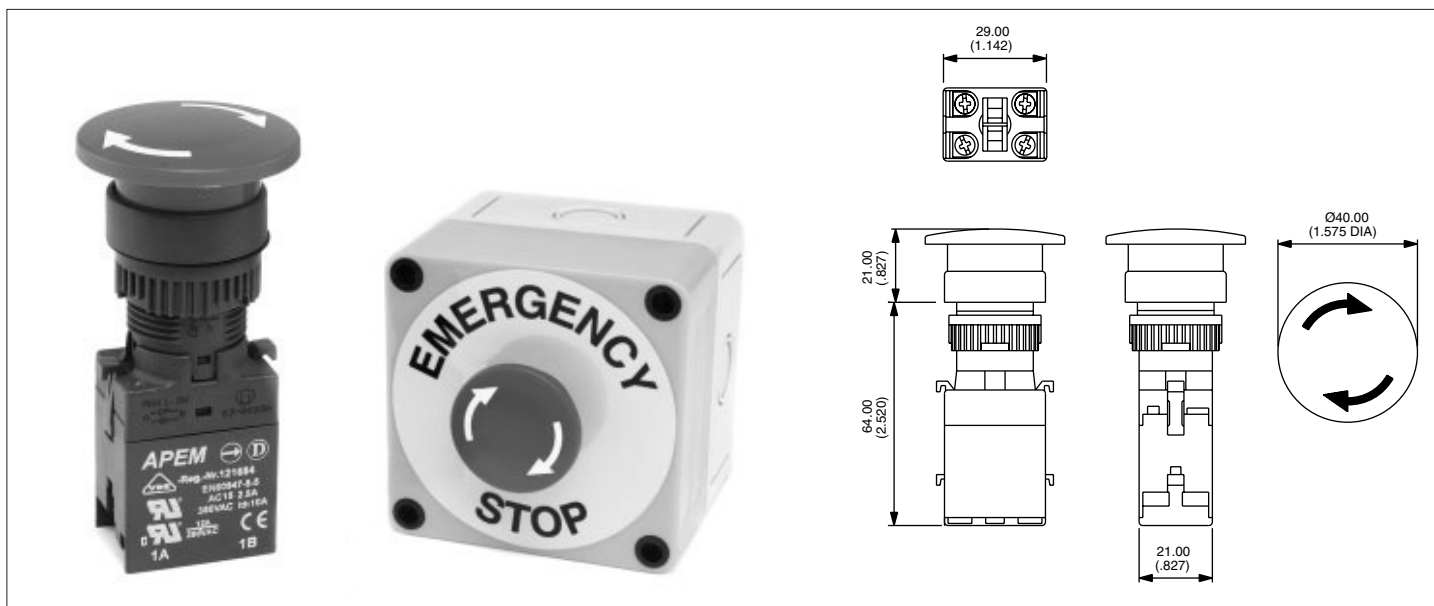


General specifications

- Mechanical life : 6.050 cycles (6 cycles per minute)
- Operating force : 20 N
- Operating temperature : -20°C to +85°C
- Degree of environ. protection (IEC529) : IP65 front of panel, IP40 back of panel
- Switch terminals : M3 screws - wire 2x0.75mm² max.

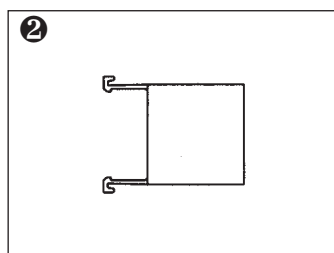
Electrical specifications

- Current/voltage rating : 2,5A 380VAC AC-15
- Contact gap : > 3 mm (.118)
- Dielectric strength : 2.500V
- Electrical life : 6.050 cycles



Operator

Bezel	Description	Part No
	Emergency stop	A02ES



Switch block

No of poles	Part No
Double pole	A02511
Single pole	A02512

Accessory



90 mm Ø Self Adhesive Label

Description	Part No
Yellow label with text	A02YL1
Yellow label	A02YL2

EMERGENCY STOP SWITCH ENCLOSURE

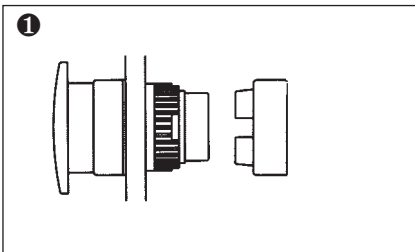
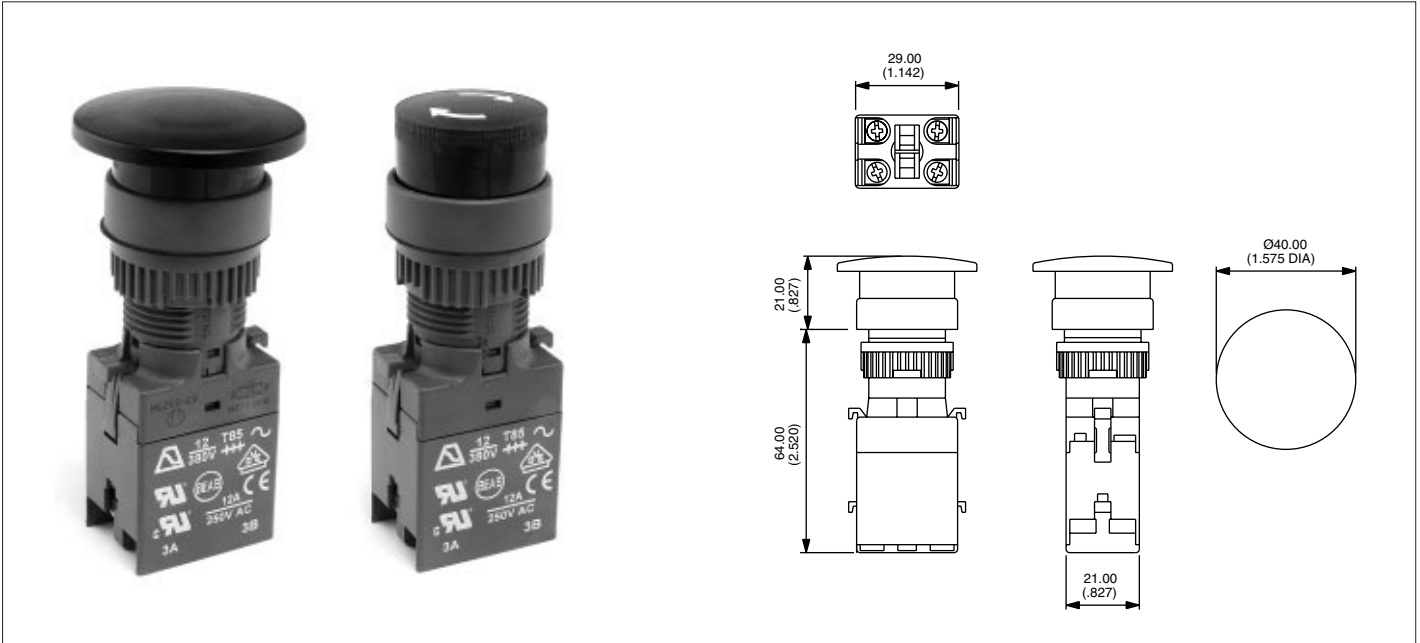
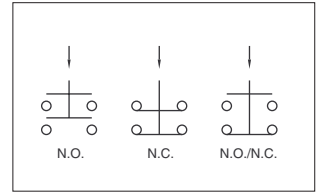
To order the Emergency Stop Switch in the Plastic Enclosure (94 x 94 x 81 mm) with a 2 pole Positive Break Switch Block and Emergency Stop label, use Part number : A02PE2L.

A02 series

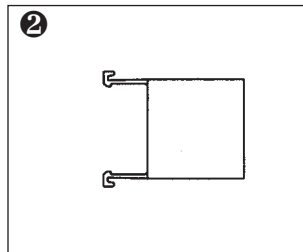
Mushroom head pushbutton switches

Panel cut-out Ø 22 (.866)

- Prominent 40 mm (1.575) dia. mushroom actuator or optional 26 mm (1.024) actuator
- Momentary and maintained functions
Momentary function versions are unmarked
Maintained function versions are twist to release (arrows indicate direction of twist)
- Various coloured mushroom actuators are available



Operator



Switch block

Bezel	Description	Part No
○	Black momentary	A02MMA
○	Red momentary	A02MMB
○	Yellow momentary	A02MMD
○	Green momentary	A02MME
○	Blue momentary	A02MMF
○	Black maintained	A02MXA
○	Red maintained	A02MXB
○	Yellow maintained	A02MXD
○	Green maintained	A02MXE
○	Blue maintained	A02MXF

Contacts	Part No
1 N.O.	A02501UL
1 N.C.	A02502UL
2 N.O.	A02503UL
2 N.C.	A02504UL
1 N.O./1 N.C.	A02505UL

Second switch block

Contacts	Part No
1 N.O.	A02506UL
1 N.C.	A02507UL
2 N.O.	A02508UL
2 N.C.	A02509UL
1 N.O./1 N.C.	A02510UL

OPTION

For optional reduced (Ø 26 mm) mushroom head operators : contact APEM.

To achieve 3 or 4 pole switching, add second switch block, from above table

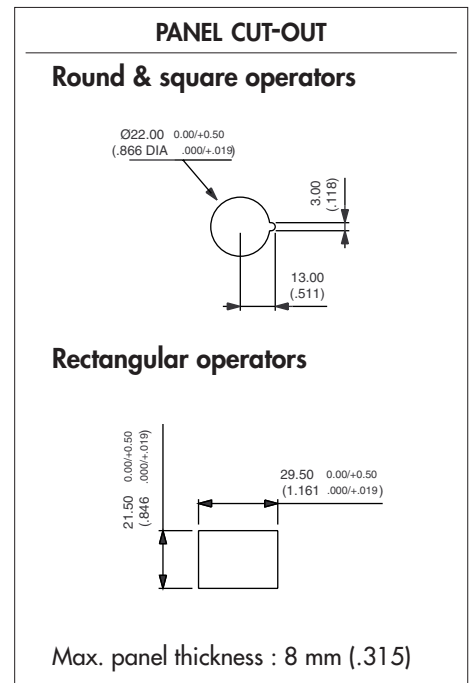
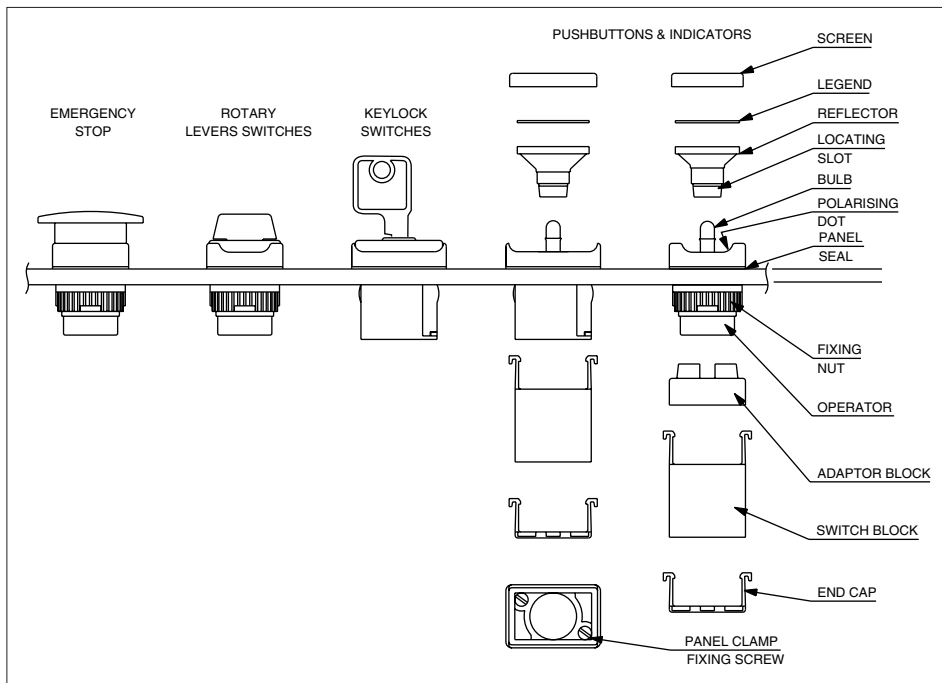
Bezel: ○ round

A02 series

Industrial controls

Installation

Modular construction / panel mounting



PANEL MOUNTING ASSEMBLY

- Drill/punch hole in panel as shaped above.
- Assemble front operator through hole and :
 - a/ *Round & square types* : tighten nut to a maximum torque of 0,8Nm using tool No 30-0001. Snap on adaptor block
 - b/ *Rectangular types* : tighten two panel fixing screws in front to a maximum torque of 6cNm.
- Wire chosen switch block as required and snap onto front operator.
- Snap end cap onto switch block.
- Fit bulb if required using tool No 30-0002.
- Snap screen onto reflector assembly with legend in between if required and snap into front operator **TAKING CARE TO LINE UP THE LOCATING SLOT WITH THE POLARISING DOT**, and not to damage the seal.

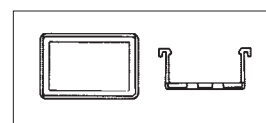
TO REMOVE BULB

Remove reflector/screen assembly. Use the bulb extractor 30-0002 to remove the bulb.

TO REMOVE SWITCH BLOCK

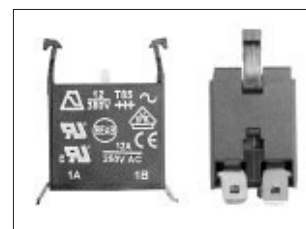
Lever out latches using small screwdriver taking care not to overbend, and pull off the block from the front operator.

A02 Accessories



Part No : 14-0005

End cap terminal guard offering unique terminal protection.



6.35 mm push on tab terminals.
Specify "SP" to the end of the switchblock and operator P/N.
Example : A02503SP.

G