

Oil & Watertight Switches and Indicators

Series 51/52

Subminiature Lighted Oil & Watertight Indicators and Pushbuttons (Series 51) and 2- and 3-Position Rotary Switches (Series 52) with 16 mm Round Hole Mounting

FEATURES

- 250 VAC/5A, 220 VDC/0.1 A, 24 VDC/2 A snap action
42 VAC/0.1 A, 42 VDC/0.1 A low level
- Minimum depth: 1.14"
- Sealed switches
- Meet IP65 and NEMA 4 and 13 specifications
- Mount in panels to 0.255 inch thick

Reference

International Approvals	page 35
Accessories	page 166
Lamps	page 152
Legends	page 157
Technical Information	page 161

Series 51 Lighted Pushbuttons

(Order lamp and lens separately)

Momentary

Switch Element	Rectangular	Square	Round
Snap Action			
1-pole Form Z	51-121.0 □ □	51-151.0 □ □	51-131.0 □ □
2-pole Form Z	51-122.0 □ 5	51-152.0 □ 5	51-132.0 □ 5
3-pole Form Z	51-123.0 □ 5	51-153.0 □ 5	51-133.0 □ 5
4-pole Form Z	51-124.0 □ 5	51-154.0 □ 5	51-134.0 □ 5
Low Level			
2 N.O. contacts	51-421.036	51-451.036	51-431.036
2 N.C. contacts	51-422.036	51-452.036	51-432.036
1 N.O., 1 N.C.	51-423.036	51-453.036	51-433.036
1 N.O. contact	51-425.036	51-455.036	51-435.036
1 N.C. contact	51-426.036	51-456.036	51-436.036

Maintained

Switch Element	Rectangular	Square	Round
Snap Action			
1-pole Form Z	51-261.0 □ □	51-281.0 □ □	51-271.0 □ □
2-pole Form Z	51-262.0 □ 5	51-282.0 □ 5	51-272.0 □ 5
3-pole Form Z	51-263.0 □ 5	51-283.0 □ 5	51-273.0 □ 5
4-pole Form Z	51-264.0 □ 5	51-284.0 □ 5	51-274.0 □ 5
Low Level			
2 N.O. contacts	51-461.036	51-481.036	51-471.036
2 N.C. contacts	51-462.036	51-482.036	51-472.036
1 N.O., 1 N.C.	51-463.036	51-483.036	51-473.036
1 N.O. contact	51-465.036	51-485.036	51-475.036
1 N.C. contact	51-466.036	51-486.036	51-476.036

Combined Momentary/Maintained

Switch Element	Rectangular	Square	Round
Snap Action, Form Z			
Momentary 1PDT and Maintained 1PDT	51-101.0 □ 5	51-104.0 □ 5	51-107.0 □ 5
Momentary 1PDT and Maintained 2PDT	51-102.0 □ 5	51-105.0 □ 5	51-108.0 □ 5
Momentary 2PDT and Maintained 1PDT	51-103.0 □ 5	51-106.0 □ 5	51-109.0 □ 5

Select contact and terminal type where applicable

.0 □ □

1st digit is always 0 (Case color is black)

Contact material (2nd digit): 1 = Silver, 2 = Gold over silver

Terminal type (3rd digit): 2 = 0.110" Q.C., 5 = Solder

To order: Series 51: first select pushbutton or indicator desired, indicating contact and terminal type where applicable. Then order lens and illumination separately. If pushbutton with contact block is desired, order actuator, contact block, lens, and illumination separately. Series 52: order rotary switch indicating contact and terminal type where applicable. Then order lever cap and illumination.



Snap action round pushbutton



Low level square pushbutton

Lighted Indicators

Description	Rectangular	Square	Round
For 0.110" Q.C. terminals	51-040.002	51-050.002	51-030.002
Solder terminals	51-040.005	51-050.005	51-030.005
Length matches low level and universal terminals	51-041.006	51-050.006	51-031.006

Lenses

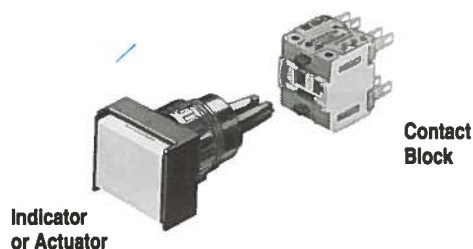
□ Add color digit

Description	Rect.	Square	Round	0	1	2	3	4	5	6	7	8	9
Flat Lens													
Translucent	51-901.□	51-951.□	51-931.□	✓		✓	✓	✓	✓	✓		✓	✓
Transparent	51-903.□	51-953.□	51-933.□		✓	✓	✓	✓	✓	✓	✓		
Transparent with clear diffuser	51-905.□	51-955.□	51-935.□			✓		✓	✓		✓		
Concave													
Translucent	51-902.□	51-952.□	—	✓		✓	✓	✓	✓	✓		✓	✓
Transparent	51-904.□	51-954.□	—			✓	✓	✓	✓	✓	✓		
Transparent with clear diffuser	51-906.□	51-956.□	—			✓		✓	✓		✓		

□ 0 = Black, 1 = Solar Black*, 2 = Red, 3 = Orange, 4 = Yellow, 5 = Green, 6 = Blue
7 = Clear, 8 = Gray, 9 = White. Black and Gray are opaque.

* Dead Front — Legend only visible when illuminated.

Oil & Watertight Switches and Indicators



Series 51 Pushbuttons and Indicators without Snap Action Contact Blocks

(Order lamp and lens separately)

Description	Rectangular	Square	Round
Momentary pushbutton actuator without contact block	51-165.0	51-185.0	51-175.0
Maintained pushbutton actuator without contact block	51-265.0	51-285.0	51-275.0
Indicator without element block	51-042.0	51-052.0	51-032.0

Contact Block & Indicator Element



Description	Part Number	Suffix Numbers	
		Contact Material	Terminal Type
Element block for Indicator	51-970.0	0	2
Contact block with 1 pole	51-971.0	2	2
Contact block with 2 poles	51-972.0	2	2

Series 52

Lighted Two-Position Rotary Switch

(Order lens cap and lamp separately)

Switch Elements	Momentary	Maintained
Snap Action		
1-pole Form Z	52-131.0 □ □	52-271.0 □ □
2-pole Form Z	52-132.0 □ 5	52-272.0 □ 5
3 pole Form Z	52-133.0 □ 5	52-273.0 □ 5
4 pole Form Z	52-134.0 □ 5	52-274.0 □ 5
Low Level		
2 N.O. contacts	52-431.036	52-471.036
2 N.C. contacts	52-432.036	52-472.036
1 N.O., 1 N.C.	52-433.036	52-473.036
1 N.O. contact	52-435.036	52-475.036
1 N.C. contact	52-436.036	52-476.036

Select contact and terminal type where applicable

.0 □ □

1st digit is always 0 (Case color is black)

Contact material (2nd digit): 1 = Silver, 2 = Gold over silver

Terminal type (3rd digit): 2 = 0.110" Q.C., 5 = Solder

Square Bezel Insert

To change round bezel to square bezel

Description	Part Number
To change round bezel to 24 x 24 mm	52-950.0
To change round bezel to 26 x 26 mm	52-952.0

Lighted Three-Position Rotary Switch

Includes contact block (Order lens cap and lamp separately)

Description	Part Number
Position A — always maintained with no operation of switch elements Position B & C — operate independent SPDT switch element	
Positions B, C — Maintained	52-571.022A
Positions B, C — Momentary	52-572.022A
Position B — Momentary, Position C — Maintained	52-573.022A
Position B — Maintained, Position C — Momentary	52-574.022A

With Indicating Dot



□ Add color digit

Lens Cap

Lens Cap with Translucent Colored Window	Part Number	
	Black Lens Cap	Gray Lens Cap
with indicating dot	52-928. □	52-929. □

□ Select color of translucent window

0 = Black, 2 = Red, 3 = Orange, 4 = Yellow, 5 = Green, 6 = Blue, 8 = Gray, 9 = White. Black and Gray are opaque. **NOTE:** Black lens cap not available with Gray window, Gray lens cap not available with Black window