

Outline

The COB600 series is a series of push button switches for indirect operation via electro-magnetic switches. They are small, light and economical.

Button packing is one body type with button, exposure structure. (IP65)




The case is made with high impact ABS, and is light and safe with no risk of electrification.

The back of the case is made into a slim shape, so it fits the hands when operating. And with a projection at the back, this switch does not easily slip out of the hand.

A mechanical interlock is included for safety, so Up/Down and East/West cannot be pressed at the same time.


The switch unit uses twin contact that can correspond to a minute load. The contact reliability of twin contact is confirmed and proven usable without problems through the test using the circuit condition of DC 12V 10mA.

Standard Type List

Type name	COB 601	COB 602	COB 603
Appearance			
No. of buttons	2 (1 pair)	4 (2 pairs)	6 (3 pairs)
Button packing	Exposure structure		
Prevention of erroneous operation	With mechanical interlock		

General Specifications

Specifications


Item	Rating
Degree of protection	Electrical Appliance and Material Safety Law  : Rainproof type
Material / Color	Case : High shockproof ABS resin (black) Cover: High shockproof ABS resin (yellow) Munsell 5Y8/14 equivalent Cable bushing: Synthetic rubber (black)
Vibration proof	Operational Tolerance 10 to 55Hz Displacement: 1.0mm
Shockproof	Durability 500m/s ²
	Operational Tolerance 100m/s ²
Connected terminal	M3.5 screw (Pressure terminal type) 1.0 to 1.3N·m
Ambient temperature	-15°C to +40°C (must be free of ice and condensation)
Relative humidity	45% to 85%
Installation position	Must be installed with the cable slot uppermost using appropriate cable cabling
Accessories	Parts to fix cable: Cable holder (2P) Tapping screw (2P)

Rating



Item	Rating
Voltage used / Current used	AC 220V 2A (AC15A inductive load)
Rated insulation voltage	AC 500V
Rated thermal current	5A
Insulation resistance	100MΩ or more (DC500V Megger)
Withstand voltage	AC2500V 1 minute

Remarks: Rating in accordance with the Electrical Appliance and Material Safety Law (AC 250V 5A) is only shown on the nameplate.

Compliance Standards

Name of standards
JIS C 8201-5-1、JIS C 0920、NECA C4520
IEC 60947-5-1
UL508
GB14048.5
Electrical Appliance and Material Safety Law  (compliant product)

Overseas Standards (Production on Demand)

Name of standards	File No.
C-UL 	E134156
CCC 	2005010305168698

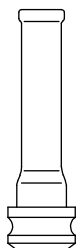
Power Switches
 Hoist Push-Button Switches
 Operating Push Button Switches
 Foot Switches
 Liquid Level Relays

Product List

No. of buttons	Type name	Included cable bushing (applicable cable diameter range)	Included markings board	Contact arrangement	General mass (g)
2 (1 pair)	COB 601	COB CD110 (φ 9.3~φ 11.0)	Up, Down	1a-1a	170
4 (2 pairs)	COB 602	COB CD125 (φ 10.8~φ 12.5)	Up, Down, East, West, South, North	1a-1a-1a-1a	260
6 (3 pairs)	COB 603	COB CD155 (φ 13.8~φ 15.5)	Up, Down, East, West, South, North	1a-1a-1a-1a-1a-1a	340

Cable Bushing List

It is dangerous to use the standard cable bushing included with this product with inappropriate cabling, as rainwater may easily enter the switch. Please purchase the appropriate cable bushing.

Cable bushing type name	Applicable cable diameter range	Applicable product	Bushing appearance
COB CD80	φ 6.3~φ 8.0	COB 601 COB 603	
COB CD95	φ 7.8~φ 9.5		
COB CD110	φ 9.3~φ 11.0		
COB CD125	φ 10.8~φ 12.5		
COB CD140	φ 12.3~φ 14.0		
COB CD155	φ 13.8~φ 15.5	COB 602 COB 603	
COB CD170	φ 15.3~φ 17.0		
COB CD185	φ 16.8~φ 18.5		
COB CD200	φ 18.3~φ 20.0		

Accessories

Suspension clasp (stainless)

By attaching the clasp with a steel core wire through it, the main body can be used for suspension.

Type name
COB SUSKT



When the push button switch is not in use, it can be conveniently hooked on the wall with the suspension clasp.


Type name
COB SUSKB



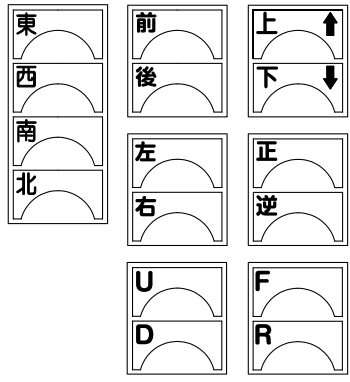
Character Sheets, Character Boards

The material for character boards is polyester film, and characters are in black.

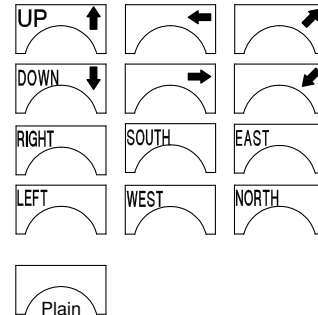
COB602
COB603
Attached sheet



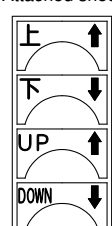
Optional sheet



Optional character board



COB601
Attached sheet



External Dimensions (Unit: mm)

COB 601	COB 602	COB 603
