

For Direct Operation of Electrical machinery

COB 270 series

Outline

The COB 270 series are pushbutton switches for hoist and crane operation for which built-in button packing is provided within the case.

Cable protection area (cable bushing) and waterproof area (cable packing) are separate, so cable can easily be inserted and better water resistance can be achieved.




The standard case is formed from shockproof ABS, rendering it lightweight and risk-free in terms of electrical shocks, so it can be used safely.

Features a mechanical interlock. Simultaneous use of, for example, the up/down or east/west buttons is impossible to ensure safety.

There are a number of inching types that support crane hoisting/lowering in small increments. (COB 271A, COB 272A, COB 273A)

With regard to the switch to turn the power for direct operation on/off, there are also types with switch units that perform self maintenance by turning on a 2a contact when the ON button (top) is pressed, and leaves it open when the OFF button (bottom) is pressed. (COB 272KB, COB 273KB)

Basic Type List

Type name	COB 271 COB 271A	COB 272 COB 272A COB 272KB	COB 273 COB 273A COB 273KB
Appearance			
No. of buttons	2 (1 pair)	4 (2 pairs)	6 (3 pairs)
Button packing	Built-in structure		
Prevention of erroneous operation	With mechanical interlock		

General specifications

Specifications

Item	Rating
Degree of protection	IP65 (JIS C 0920) Electrical Appliance and Material Safety Law \diamond : Rainproof type
Material/ Color	Case : Shockproof ABS Resin ^{Note} / Orange (Munsell 7.5YR7/13 equivalent) Case-tightening screws: Stainless (\pm screws) Cable bushing: Synthetic rubber / Black
Vibration proof	Operational Tolerance 10 to 55Hz Displacement 1.5mm
Shockproof	Durability 500m/s ²
	Operational Tolerance 100m/s ²
Ambient temperature	-15°C to +40°C (must be free of ice or condensation)
Relative humidity	45 to 85% RH
Connected terminal	M4 screws (Pressure terminal type)
Installation position	Must be installed with the cable slot uppermost using appropriate cable cabling.

Rating

Item	Specifications
Voltage used	3 ϕ 200/220V 3 ϕ 400/440V
Rated insulation voltage	500V AC
Rated thermal current	15A
Insulation resistance	100M Ω or more (500 V DC Megger)
Withstand voltage	2500 V AC / minute

Compliance standards

Name of standards
JIS C 8201-3
JIS C 0920
Electrical Appliance and Material Safety Law \diamond (compliant products)

Power Switches

Hoist Push-Button Switches

Operating Push Button Switches

Foot Switches

Liquid Level Relays