

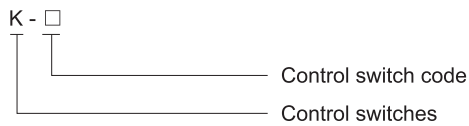
Components for BZC8050 Control Stations BK8050 Series Control Switches

- ◆ Explosion protection to
 - GENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Number of pole: 2P, 3P, 4P, 6P.
- ◆ Available in latching and spring-return forms.



■ Catalogue number logic

BK8050(K for short)



Zones 1&2; 21&22

Components for BZC8050 Control Stations BK8050 Series Control Switches

Selection table of control switches

Control switch code	Chart of contact	Equivalent switch	Position (solid line: location; dash line: spring return)	Instruction for equivalent function
a				a. Functional wiring is the same as double buttons with auto-reset function.
b				B. Functional wiring is the same as double buttons; auto-reset after start; lock-stop gear added to avoid mistake operation.
c				c. Button with 2 NO contacts and available at auto-reset function. Suitable for high-voltage engine control circuit or function panel uses switch code "a".
d				d. Low-power switch.
e				e. Function is the same as three buttons; able to control engine in forward and backward rotation. FW&BW starting positions can auto-reset.
f				f. Selection switch with stop gear.
g				g. Be equal to mounting two buttons and one changeover switch in one axis. Possible to output contact signal or monitoring signal between start and stop.
h				h. Multi-signals transmit gradually.



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Selection table of control switches				
Control switch code	Chart of contact	Equivalent switch	Position (solid line: location; dash line: spring return)	Instruction for equivalent function
i				I. Add function of transmitting resultant signal on the base of function panel uses switch code "h" .
j				j. Two positions step; change-over gradually.
k				k. Changeover switch.
i				I. Selection switch with three poles and two launches.
m				m. Three-position changeover switch among auto, manual and start; auto-reset after start; it can convert to auto gear only after passing stop gear.
n				n. Structure is a little different to universal structure of switch code "m" ; it directly rotates to auto gear without passing stop gear after starts.



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Selection table of control switches

Control switch code	Chart of contact	Equivalent switch	Position (solid line: location; dash line: spring return)	Instruction for equivalent function
o				<p>O. Double contacts auto reset for start, with lock-stop gear; lock switch at stop gear to prevent mistake operation.</p>
p				<p>p. Double contacts for stop, to substitute switch code "a" and "c" for start and stop; auto-reset.</p>
p				<p>q. Stop with double contacts, with lock stop gear; auto-reset after start; possible to add lock-stop gear to add lock-stop gear to lock switch at stop gear to prevent mistake operation.</p>
r				<p>r. Double contacts for both start and stop; it is same as universal panel of switch code "a", with auto-reset for start and stop.</p>
s				<p>s. Transmit a contact signal before start and stop.</p>
t				<p>t. With lock-stop gear for start and stop to prevent mistake operation; without auto-reset.</p>
u				<p>u. Double-control selection switch.</p>
v				<p>v. Changeover switch for voltage phase-changing and measuring.</p>



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Selection table of control switches				
Control switch code	Chart of contact	Equivalent switch	Position (solid line: location; dash line: spring return)	Instruction for equivalent function
W				w. One 2NO auto-reset pushbutton, both left and right are the same.
X				x. Two 2NO auto-reset buttons.

Technical data

Control switches BK8050

Explosion protection	⊕ II 2 G Ex d e IIC Gb
Certificates	LCIE 09 ATEX 3096U; IECEx CQM 11.0011U; KZ.7500525.22.01.00374 (CU-TR)
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-7 IEC 60079-0, IEC 60079-1, IEC 60079-7
Enclosure material	Plastic
Rated voltage	Max. 415V AC
Rated current	16A
Switch angle	n x 45°/n x 90°
Service life	10 ⁵ times
Ambient temperature	-20°C~+70°C
Cable connection	2.5mm ²
Material of rotary actuator	Polycarbonate (PC)
Panel material	Acrylonitrile-butadiene-styrene (ABS)
Seal material	Nitrile butadiene rubber (NBR)

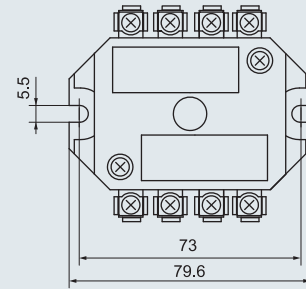
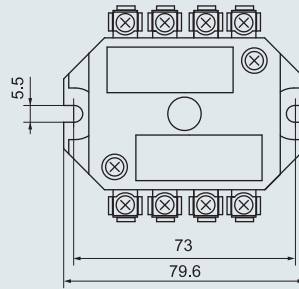
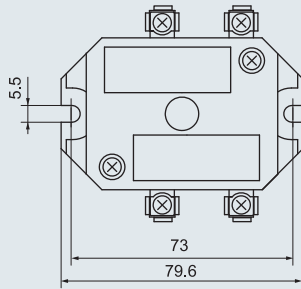
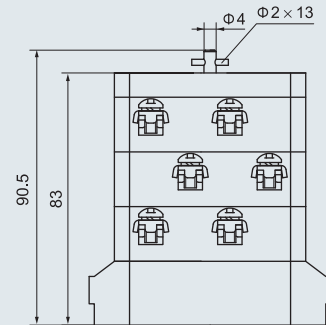
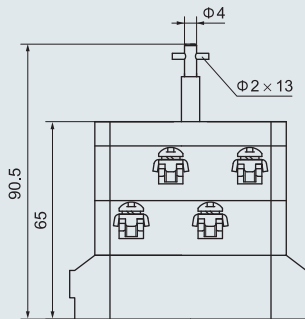
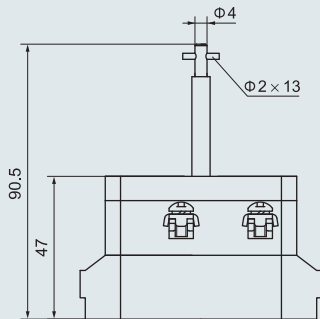


Accessories

Description	Illustration	Ordering code	Weight (kg)
Rotary actuator (padlockable)		40119	0.05

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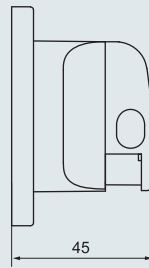
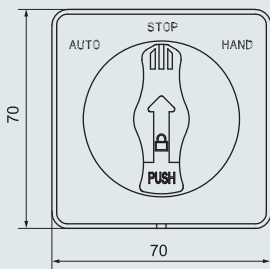
Dimension drawings (all dimensions in mm) - subject to alteration



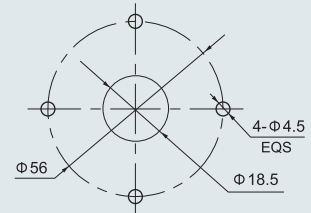
Control switch 2 poles

Control switch 3 or 4 poles

Control switch 6 poles



Rotary actuator



Mounting hole