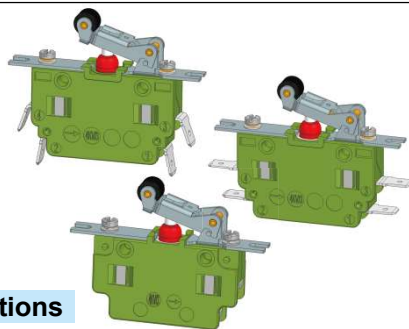


HFW846

SNAP-ACTION SWITCHES



File No.:
2020000305000179



Features

- Bridge contact, Positive opening operation, Wipe action
- Magnetic blowout
- Electrical isolation
- Meets GB/T 14048.5(IEC 60947) reinforce insulation
- Meets GB/T 21413(IEC 60077)reinforce insulation

Typical Applications

Rail transit vehicles, such as button switch, toggle switch, door system, master controller

RoHS compliant

CONTACT DATA

Contact arrangement	Zb	
Contact resistance ¹⁾	100mΩ max.	
Contact material	Silver alloy	
Contact load	Inductive	110VDC/1.0A 230VAC/1.5A
	Resistive	110VDC/1.0A
Heating current	10A	
Mechanical durability	5×10 ⁶ OPS	
Electrical endurance	Inductive	110VDC/1.0A, 2×10 ⁵ OPS
	Resistive	110VDC/1.0A, 6×10 ⁵ OPS

Notes:1) The data shown above are initial values.

CHARACTERISTICS

Insulation resistance	> 5MΩ(500VDC)
Dielectric strength	1890VAC 60s
Impulse voltage	2500VAC(1.2/50μs)
Vibration resistance	70 m/s ² (5Hz to 150Hz)
Shock resistance	300 m/s ²
Relative humidity	98%RH, 40℃
Temperature range	-40℃ to 85℃
Termination	QC, Screw
Unit weight	20g to 40g
Construction	No dustproof, Dustproof, Plastic sealed

Notes:1) The data shown above are initial values.

ACTUATOR POSITION

Unit: mm

Free position ¹⁾	Operating position ¹⁾	Release position ¹⁾	The travel position for positive opening operation ¹⁾	Total travel position ¹⁾
8.85±0.15	6.6±0.25	8.0±0.25	4.2	3.9
20.25±0.35	16.9±0.5	19.0±0.5	13.5	13

Notes:1) The data shown above are initial values;

2) To ensure the function of the switches, please make sure that there is gap between customer's actuator and roller lever (or push button) when the switches is on free position, and actuation of the switches at least exceed the specified positive opening travel when the switches is operated.

ORDERING INFORMATION

HFW846 /		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Type							
Contact arrangement	Zb: Z-SPDT-DB						
Construction	Nil: No dustproof F: Dustproof S: Plastic sealed						
Termination	Q1: Bent QC Q2: Straight QC C: Screw						
Actuator	Nil: Push button R: Roller lever						
Installation method	Nil: No mounting plate B1: Mounting plate with slotted holes B2: Mounting plate with round holes						
Magnetic blowout	Nil: No magnetic blowout M: With magnetic blowout						
Special code	XXX: Customer special requiremen Nil: Standard						



HONGFA RELAY

ISO9001, IATF16949, ISO14001, ISO45001, IECQ QC 080000 CERTIFIED

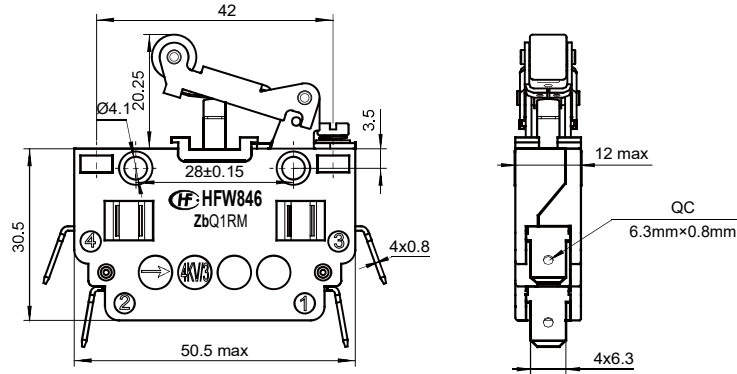
2024 Rev. 1.00

OUTLINE DIMENSIONS, WIRING DIAGRAM AND INSTALLATION DIMENSIONS

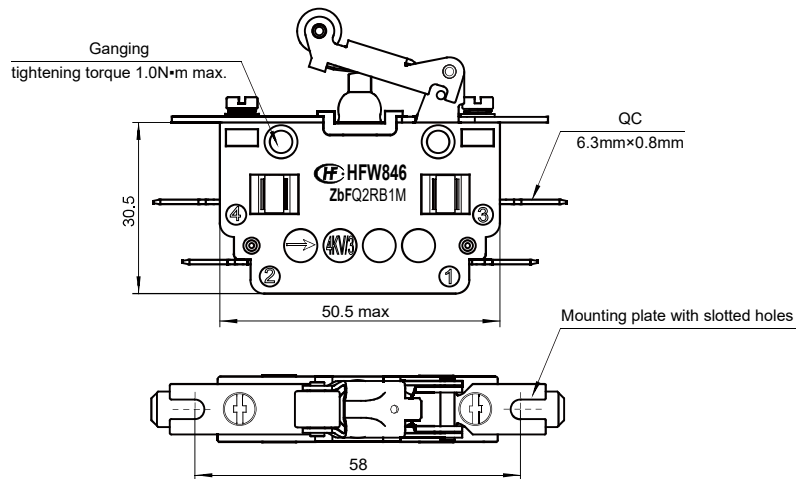
Unit: mm

Outline Dimensions

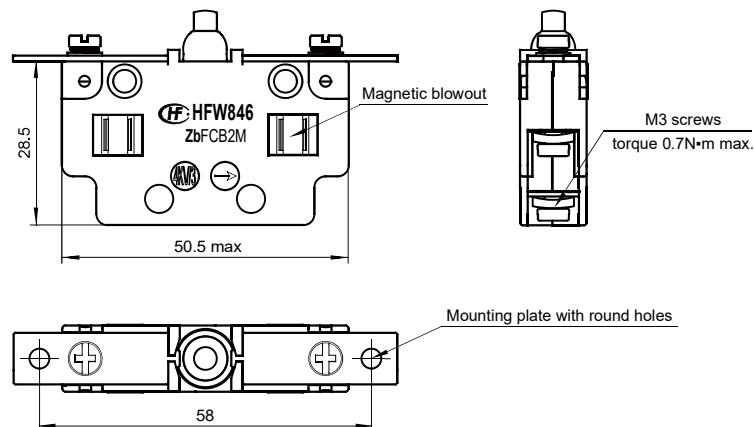
Roller lever(Q1)



Roller lever(Q2)



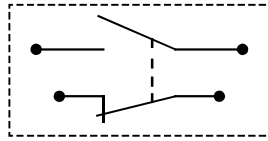
Push button



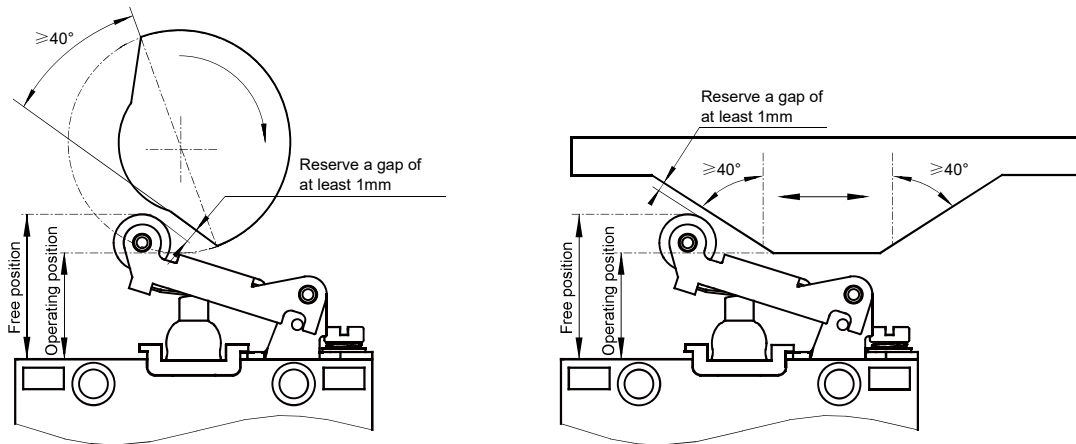
OUTLINE DIMENSIONS, WIRING DIAGRAM AND INSTALLATION DIMENSIONS

Unit: mm

Wiring Diagram



Installation Dimensions



Precautions For Use:

- 1) When mounting the switches, please make sure that at least 2 positions are fastened, and compliant to the specified torque.
- 2) Please avoid tilting the screw when mounting, in order to prevent mechanical tension on the housing.
- 3) To ensure the function of the switches, please make sure that there is gap between customer's actuator and roller lever (or push button) when the switches is on free position, and actuation of the switches at least exceed the specified positive opening travel when the switches is operated.
- 4) To prevent mechanical destruction of the switches, please make sure that actuation of the switches does not exceed the specified total travel position.
- 5) When using the versions with magnets, if necessary please consult the polarity with Hongfa's engineer.
- 6) Cleaning agents, adhesives, solvents, or screw-retaining varnish must be compatible with polycarbonate. Never use chemicals not compatible with polycarbonate.
- 7) It is necessary to use insulating plates when ganging or mounting the switches on uninsulated surfaces.
- 8) Snap-action switches should be mounted by qualified professional staff only.

Disclaimer

The
We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact Hongfa for the technical service. However, it is the user's responsibility to determine which product should be used only.

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