Ø 22/25 mm Key Selector Switches



S2KR Series

CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.

The specifications, dimensions, etc. are subject to change without notice for product improvement. Some Models may be discontinued without notice.

Features

- · Smooth operation
- · High electrical conductivity
- · Long-lasting durability

Safety Considerations

- Observe all 'Safety Considerations' for safe and proper operation to avoid hazards.
- ▲ symbol indicates caution due to special circumstances in which hazards may occur.

⚠ Warning Failure to follow instructions may result in serious injury or death.

- 01. Fail-safe device must be installed when using the unit with machinery that may cause serious injury or substantial economic loss. (e.g. nuclear power control, medical equipment, ships, vehicles, railways, aircraft, combustion apparatus, safety equipment, crime / disaster prevention devices, etc.) Failure to follow this instruction may result in personal injury, economic loss or
- 02. Do not use the unit in the place where flammable / explosive / corrosive gas, high humidity, direct sunlight, radiant heat, vibration, impact, or salinity may be present.
 - Failure to follow this instruction may result in explosion or fire
- 03. Install on a device panel to use.
 - Failure to follow this instruction may result in fire or electric shock.
- 04. Do not connect, repair, or inspect the unit while connected to a power
 - Failure to follow this instruction may result in fire or electric shock

05. Do not disassemble or modify the unit.Failure to follow this instruction may result in fire or electric shock.

▲ Caution Failure to follow instructions may result in injury or product damage.

01. This unit shall not be used outdoors.

Failure to follow this instruction may result in shortening the life cycle of the product or electric shock.

02. Use the unit within the rated specifications. Failure to follow this instruction may result in fire or product damage.

03. Do not use the load beyond rated switching capacity contact. Failure to follow this instruction may result in fire, relay broken, contact melt, insulation failure or contact failure

04. For wiring the product, do not pull the wiring excessively or apply excessive

Failure to follow this instruction may result in product damage or malfunction.

- 05. Use dry cloth to clean the unit, and do not use water or organic solvent. Failure to follow this instruction may result in fire or electric shock
- 06. Keep the product away from metal chip, dust, and wire residue which from flowing into the unit.

Failure to follow this instruction may result in fire or product damage.

Specifications

Series	S2KR Series		
Actuation angle	2-position: [Spring return] 60° ±5° [Maintained] 90° ±5° 3-position: [Spring return] 60° ±5° [Maintained] 90° ±5°		
Actuation force	0.5 kgf (4.9 N) (per 1 contact)		
Installation	Extended		
Shock	300 m/s² (≈ 30 G) in each X, Y, Z direction for 3 times		
Shock (malfunction)	$100 \text{ m/s}^2 (\approx 10 \text{ G})$ in each X, Y, Z direction for 3 times		
Vibration	1.5 mm double amplitude at frequency of 10 to 55 Hz in each X, Y, Z direction for 2 hours		
Vibration (malfunction)	1.5 mm double amplitude at frequency of 10 to 55Hz in each X, Y, Z direction for 10 minutes		
Mechanical life cycle (control unit life cycle)	≥ 100,000 operations (20 operations/min)		
Ambient temperature	-15 to 55 °C, storage : -25 to 65 °C (no freezing or condensation)		
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)		
Protection structure	Control unit: IP52 (IEC standard)		
Certification	(£ \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(
Control unit weight	≈ 37 g		
Housing weight	≈7g		

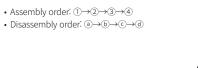
Contact blocks				
Power supply / current	110 VAC~ / 10 A, 250 VAC~ / 6 A			
Dielectric strength	Between the charging part and the case : 3,000 VAC \sim 50/60 Hz for 1 minute			
Insulation resistance	\geq 1,000 M Ω (500 VDC== megger)			
Contact resistance	\leq 20 m Ω (initial)			
Electrical life cycle	≥ 100,000 operations (20 operations/min)			
Contact material	AgNi10			
Certification	(숙왕)메 20 (년) 원 20 (년)			
Weight	Modular type: ≈ 10 g, Singular type: ≈ 11 g			

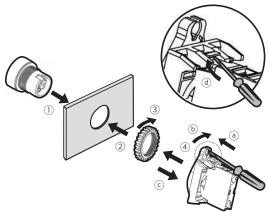
Sold Separately

- Contact blocks (SA□-C□□)

- Switch enclosures (SA--B-)
 Locking handle (SA-LH)
 Switch washer (SA-SW-)

Assembly / Disassembly





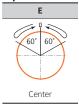
Control Switches	Panel thickness	Tightening torque	
Ø 22/25/30 mm	Max. 6 mm	≤ 1.96 N·m	

Key Removal Position

■ 2-position spring return



■ 3-position two-way spring return



■ 3-position right spring return

Α	E	G	
90° 60°	90° 60°	90° 60°	
Left	Center	Left+Center	

2-position Maintained

D	E	F
90*	90°	90°
Right	Center	Center+Right

■ 3-position Maintained

В	С	E	
90° 90°	90° 90°	90° 90°	
Left+Right	Left+Center+Right	Center	

■ 3-position left spring return

D	E	F
60, 90,	60. 90.	60° 90°
Right	Center	Center+Right

Ordering Information

This is only for reference. For selecting the specified Model, follow the Autonics website. Model is based on control unit+block combination. Control units or blocks are sold separately. In case of block, refer to control switch accessories.

S2	0	-	2	8	4	6	6
		Cont	rol unit			Ble	ock

Switch type

KR: Round key selector switch (extended) K: Black

Operation

1: 2-position spring return

2: 2-position maintained

3: 3-position two-way spring return

4: 3-position maintained

5: 3-position right spring return

6: 3-position left spring return

❸ Key removal position

Refer to Key Removal Position.

Color

S: Sliver

⑤ Contact block

A: 1 A contact

2A: 2 A contacts

B: 1 B contact 2B: 2 B contacts

AB: 1 A contact, 1 B contact

3 Block type

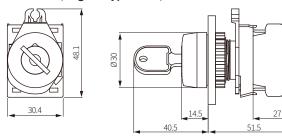
No mark: Singular type M: Modular type

Madal	Contact block		LED block			
Model	A contact	A contact B contact		AC/DC voltage AC voltage		
S2KR-1E□A(M)	1	-				
S2KR-1E□2A(M)	2	-				
S2KR-1E□B(M)	_	1	_	_		
S2KR-1E□2B(M)	_	2				
S2KR-1E□AB(M)	1	1				
S2KR-2D□A(M)	1					
S2KR-2D□2A(M)	2					
S2KR-2D□B(M)	-	1				
	-	2	$\dashv^{\overline{}}$	-		
S2KR-2D□2B(M)						
S2KR-2D□AB(M)	1	1				
S2KR-2E□A(M)	1	-	_			
S2KR-2E□2A(M)	2	-				
S2KR-2E□B(M)	-	1		-		
S2KR-2E□2B(M)	-	2				
S2KR-2E□AB(M)	1	1				
S2KR-2F□A(M)	1	-				
S2KR-2F□2A(M)	2	-				
S2KR-2F□B(M)	=	1	-	-		
S2KR-2F□2B(M)	-	2				
S2KR-2F□AB(M)	1	1				
S2KR-3E□2A(M)	2	-				
S2KR-3E□2B(M)	-	2		-		
S2KR-3E□AB(M)	1	1				
S2KR-4B□2A(M)	2	_				
S2KR-4B□2B(M)	-	2		_		
S2KR-4B□AB(M)	1	1	_			
S2KR-4C□2A(M)	2	-				
	-	2				
S2KR-4C□2B(M)			$\dashv^{\overline{}}$	-		
S2KR-4C□AB(M)	1	1				
S2KR-4E□2A(M)	2	-		-		
S2KR-4E□2B(M)	-	2	⊣ -			
S2KR-4E□AB(M)	1	1				
S2KR-5A□2A(M)	2	-				
S2KR-5A□2B(M)	-	2				
S2KR-5A□AB(M)	1	1				
S2KR-5E□2A(M)	2	-				
S2KR-5E□2B(M)	-	2	-	-		
S2KR-5E□AB(M)	1	1				
S2KR-5G□2A(M)	2	-				
S2KR-5G□2B(M)	-	2	-	-		
S2KR-5G□AB(M)	1	1				
S2KR-6D□2A(M)	2	-				
S2KR-6D□2B(M)	-	2	-	-		
S2KR-6D□AB(M)	1	1				
S2KR-6E□2A(M)	2	-				
S2KR-6E□2B(M)	-	2	<u> </u>			
S2KR-6E□AB(M)	1	1	_			
	2	-				
S2KR-6F□2A(M)	-	2				
S2KR-6F□2B(M)			-	-		
S2KR-6F□AB(M)	1	1				

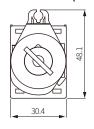
Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.
- Panel thickness: \leq 6 mm

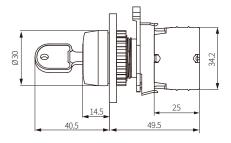
■ S2KR- (singular type block)



■ S2KR- M (modular type block)



39.4



■ Panel cut-out

<Mounting round: Ø 25>

