



KG2 00 ...  
KG2 20 ...



KR2 00 ...



KG1 10 ...



KR2 10 ...  
KR2 11 ...



KGD 003 - KGD 004

Order code Plastic body	Metal body	Model	Contacts	Qty per pkg	Wt
				n°	[kg]

ONE PEDAL FOOT SWITCHES. With free actuation.

KG1 00 S11 ③	KR1 00 S11 ③	Open	1NO+1NC Snap action ①	1	②
KG1 00 L11 ③	KR1 00 L11 ③	Open	1NO+1NC Slow action ①	1	②
KG2 00 S11 ③	KR2 00 S11 ③	With cover	1NO+1NC Snap action ①	1	②
KG2 00 L11 ③	KR2 00 L11 ③	With cover	1NO+1NC Slow action ①	1	②

With safety lever.

KG1 10 S11 ③	KR1 10 S11 ③	Open	1NO+1NC Snap action ①	1	②
KG1 10 L11 ③	KR1 10 L11 ③	Open	1NO+1NC Slow action ①	1	②
KG2 10 S11 ③	KR2 10 S11 ③	With cover	1NO+1NC Snap action ①	1	②
KG2 10 L11 ③	KR2 10 L11 ③	With cover	1NO+1NC Slow action ①	1	②
KG2 10 S22 ③	KR2 10 S22 ③	With cover	2NO+2NC Snap action ①	1	②

With pedal actuator lock.

KG1 20 S11 ③	KR1 20 S11 ③	Open	1NO+1NC Snap action ①	1	②
KG1 20 L11 ③	KR1 20 L11 ③	Open	1NO+1NC Slow action ①	1	②
KG2 20 S11 ③	KR2 20 S11 ③	With cover	1NO+1NC Snap action ①	1	②
KG2 20 L11 ③	KR2 20 L11 ③	With cover	1NO+1NC Slow action ①	1	②

With two-stage safety lever.

KG2 11 S22 ③	KR2 11 S22 ③	With cover	2NO+2NC 2-stage snap action ①	1	②
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Order code Plastic body	Metal body	Model	Contacts (for each pedal)	Qty per pkg	Wt
				n°	[kg]

TWO PEDAL FOOT SWITCHES. With safety lever on both pedals.

KGD 001 ③	KRD 001 ③	Both w/cover	1NO+1NC Snap action ①	1	②
KGD 002 ③	KRD 002 ③	Both w/cover	2NO+2NC Snap action ①	1	②

Left pedal with free actuation and right pedal with safety lever.

KGD 003 ③	KRD 003 ③	Left open	1NO+1NC Snap action ①	1	②
		Right w/cover			
KGD 004 ④	KRD 004 ④	Left open	1NO+1NC Snap action ①	1	②
		Right w/cover			

- ① Direct (positive) opening action ⊕; safety function according to IEC/EN 60947-5-1.
- ② Consult Customer Service for information; see contact details on inside front cover.
- ③ A possible second contact block can be fitted; blocks with only 2 contacts in total can be used. See accessories below and contact blocks on page 9-16.

### General characteristics

The KG and KR foot switches are used to control machinery and other equipment, leaving the operator's hands free to do other functions. The sturdiness of the metal and plastic body and the wide range of the available versions provide the proper solution for each control need.

Main features are:

- Thermoplastic or metal version  
The plastic or metal body gives adequate robustness to the foot switch, for installation in all ambient and application conditions.
- Versions complete with or without pedal protection cover  
The cover assures protection against accidental foot switch operation, due to sudden tool or heavy material dropping or other shock or vibration. The type without cover, open version, is instead immediately accessible and is preferred when the most important pedal operation is to stop a machine.
- Versions with safety lever  
The safety mechanism prevents unintentional foot switch activation and excludes the pedal pressing if the operator's foot is not completely in place.
- Stable pedal base  
The foot switch is equipped with rubber feet and metal-reinforced base for a firm and non-sliding position and a more reliable and safe activation.

### Operational characteristics

- Mechanical life: >10 million cycles
- Conventional thermal current Ith: 10A
- Designation to IEC/EN 60947-5-1:
  - A600 Q600 for KG types
  - A300 Q300 for KR types
- Tightening torque for contacts: 1Nm/0.74lbf
- Rated insulation voltage Ui:
  - 690VAC for KG types
  - 440VAC for KR types
- Rated impulse withstand voltage Uimp:
  - 6kV for KG types
  - 4kV for KR types
- Class II insulation (KG types only)
- Contact resistance: <10mΩ
- Short-circuit backup protection: 10A gG fuse
- Cable connection: self-releasing screw terminal
- Housing:
  - KG types - Self-extinguishing double-insulation polymer thermoplastic
  - KR types - Aluminium-zinc alloy
- Cable entry: M20
- Ambient conditions:
  - Operating temperature: -25 ... +70°C
  - Storage temperature: -40...+70°C
  - Pollution degree: 3
- IEC degree of protection:
  - IP20 for terminals
  - IP54 for body housing
  - IP65 available on request (add the letter S at the end of the order code. E.g. KG1 00 S11 S).

### Certifications and compliance

Certifications obtained: EAC for foot switches and cURus for contacts only (see page 9-16 for details).  
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, IEC/EN 60204-1, EN 60447.

## Accessories



KX P...



KX P03

- ④ A possible second contact block can be fitted on the left-hand pedal; blocks with only 2 contacts in total can be used. See accessories below and contact blocks on page 9-16.

Order code	Description	Qty per pkg	Wt
		n°	[kg]

Accessories.

KGX 01	Kit of elements to activate 2° contact block ④	10	0.039
KGX 02	Contact block mounting bracket	10	0.022

Cable glands and cable conduit.

KX P01	M20 cable gland	50	0.009
KX P02	PG13.5 cable gland	50	0.009
KX P03	M20 rubber cable conduit	50	0.004

### General characteristics

The cable glands are in plastic with either M20 or PG13.5 thread and provide to keep the cable in place and maintain the proper IP protection of the switch after installation.

### Operational characteristics for cable gland

- Material: Self-extinguishing polyamide
- IEC degree of protection: IP68
- Gland seal with cable diameter: 6-12mm/0.24"-0.47"

### Certifications and compliance

Certifications obtained: EAC.  
Compliant with standards: EN 50262, UL508.