

Foot switches



KG2 00 ...
KG2 20 ...



KR2 00 ...
KR2 20 ...



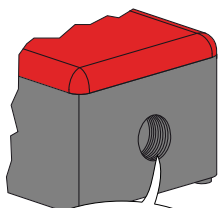
KG1 10 ...



KR2 10 ...
KR2 11 ...



KGD 003 - KGD 004



M20 CABLE ENTRY.

For types with PG13.5 cable entry, add the letter P at the end of the order code.
E.g. KG1 00 S11P

- ① Direct opening operation \ominus ; safety function according to IEC/EN 60947-5-1.
- ② Contact our Customer Service (tel. +39 035 4282422; email: service@LovatoElectric.com) for details.

Order code Plastic body	Metal body	Model	Contacts	Qty per pkg	Wt [kg]
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ONE PEDAL FOOT SWITCHES. With free actuation.

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

With safety lever.

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

With pedal actuator lock.

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

With two-stage safety lever.

KG2 11 S22	KR2 11 S22	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 [kg]
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TWO PEDAL FOOT SWITCHES. With safety lever on both pedals.

KGD 001	KRD 001	Both with cover	1NO+1NC Snap action ①	1	②
KGD 002	KRD 002	Both with cover	2NO+2NC Snap action ①	1	②

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

KGD 003	KRD 003	Left open	1NO+1NC Snap action ①	1	②
		Right with cover			
KGD 004	KRD 004	Left open	1NO+1NC Snap action ①	1	②
		Right with cover	2NO+2NC Snap action ①		

General characteristics

The KG and KR series 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 to be pressed 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 series
 - A300 Q300 for KR series
- Tightening torque for contacts: 1Nm
- Rated insulation voltage Ui:
 - 690VAC for KG series
 - 440VAC for KR series
- Rated impulse withstand voltage Uimp:
 - 6kV for KG series
 - 4kV for KR series
- Class II insulation (KG series only)
- Contact resistance: <10m Ω
- Short-circuit backup protection: 10A gG fuse
- Cable connection: self-releasing screw terminal
- 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)
- Housing:
 - KG series - Self-extinguishing double-insulation polymer thermoplastic
 - KR series - Aluminium-zinc alloy
- Cable entry: M20 standard supplied; PG13.5 available (see the note below for details)
- Ambient conditions:
 - Operating temperature: -25 ... +70°C
 - Storage temperature: -40...+70°C.

Certifications and compliance

Certifications obtained: GOST for foot switches and cULus for contacts only.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, IEC/EN 60204-1, EN 60447.

Cable glands and cable conduit



KX P...



KX P03

Order code	Description	Qty per pkg	Wt [kg]
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
- Degree of protection: IP68
- Gland seal with cable diameter: 6-12mm.

Certifications and compliance

Certifications obtained: cULus for cable glands, GOST for all.

Compliant with standards: EN 50262.