



Pendulum Switch EL 101 D

**For level detection
of granulated or
pulverised bulk materials
and as malfunction indicator**

- ▶ Reliable contact
- ▶ Sturdy construction
for roughest conditions

Application

The EL 101 D pendulum switch is ideal for use as pick-up wherever changes of state can cause it to be deflected from the vertical. It is, for example, possible to use the device to monitor the level in containers containing granulated or pulverised materials in which the growing pile cone causes the deflection. It can also be used on conveyor belts to indicate the presence of material to be conveyed, as current indicator at locks or waterways or as limit switch in railway facilities. Its mode of operation opens up other application possibilities. The very sturdy construction of the pendulum switch allows its use in the roughest of operating conditions. Even hard blows are no problem for it.

Design

The switch is housed in a thick-walled grey cast iron housing with screw-on cover. The cover features a ring screw, from which the switch is suspended, and a cable gland for the connection cable. The bottom part of the switch is equipped with an internal thread R 1" to hold a tube, anchor guard plate or sheet to support deflection of the housing from the vertical. The EL 101 D is designed for direct connection to an actuator circuit. When deflected from the vertical, the EL 101 D pendulum switch carries out a switching function. An inclination of 20° already suffices to cause a freely moving steel ball inside the housing to operate a special microswitch.

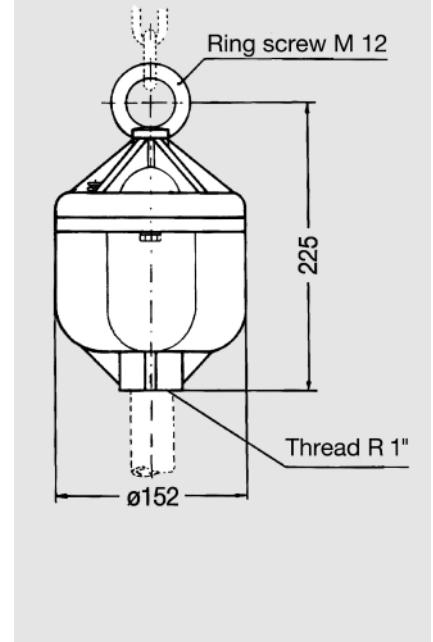
Surveillance of conveyed material on a belt conveyor

The very sturdy construction of the pendulum switch means it can be used in the roughest of operating conditions.



Technical specifications

Housing	Grey cast iron with ring screw M12 Bottom section with internal thread R12 for tube, anchor guard plate or sheet
Colour	Grey
Protection degree	IP 66 (IEC 529)
Protection class	I
Type of contact	Change-over contact
Nominal switching capacity	250 V~/15 A
Switching point	Approx. 20° from the vertical in any direction
Operating conditions	Indoors and outdoors
Operating position	Pendulous
Operating mode	Continuous
Temperature range	
Operation	-25°C to +60°C
Storage	-25°C to +70°C
Weight	Approx. 10 kg



Order information

Type	Name	Rated voltage in V	Rated current in A	Article no.
EL 101 D	Pendulum Switch	250 VAC	15 A	321 605 01

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