

THE IDEAL SOLUTION FOR COMPACT HOISTINGS

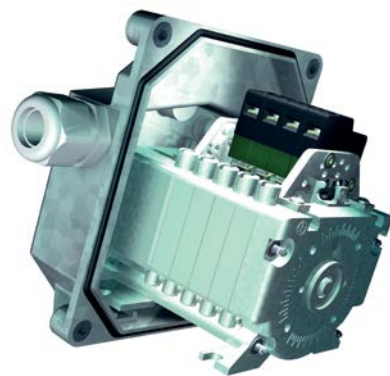
Planetary gears series 51

Function and application: Series 51 geared cam limit switches are universal, mechanical switchgears that can map a wide range of shaft rotations to the angular displacements of the installed cam discs. These cam discs actuate the mechanical switching contacts.

They are used everywhere angles or distances cannot be limited directly with switchgear, but only indirectly on the basis of the measured shaft angle. One classical example of this application involves limiting the hook lift of a crane hoist.

Benefits include

- Patented planetary gears
- Cam adjustments at fixed position in housing (simple and precise adjustment)
- Large cam disc diameter
- Modular design with many identical parts
- 4.1 – 16,000 usable revolutions
- More contacts possible on request
- Various housing designs
- Approved under DGUV V17 (formerly BGV C1) (stage engineering)
- Direct drive of multi-turn encoders



Worm gears Stromag Light Cam® and Light Cam® M

Function and application: Light Cam® Series geared cam limit switches are universal, mechanical switchgears that can map a wide range of input shaft rotations over the full angular displacement of the cam discs. These cam discs actuate the switching contacts.

The classical applications of these limit switches are e.g. crane hoist, traversing, and slewing drives; wind turbine generator systems; bucket conveyors; etc. In particular where EN 60947 T5-1/ IEC 947-5-1 prescribe forced opening switches eliminating potential harm to persons, there is no alternative that is more economical than geared cam limit switches.

Benefits include

- Synthetic housing (PBT) or seawater-resistant aluminium housing IP66
- Gear teeth made of synthetic material (POM)
- 0.85 – 880 usable revolutions
- 4 or 8 contacts
- Suitable for the integration of encoders and potentiometers
- Encoder attachments possible



Die-cast aluminium housing

Synthetic housing (PBT)

