

# BASE

## Rotary limit switch



Rotary limit switch used to control and measure the movement of industrial machines. Its compact size makes it suitable for use in narrow spaces.

### FEATURES

- It consists of a gear motor that transfers movement to the cams through a primary input reduction stage (worm gear and helical toothed gear) and one or more secondary output stages (pairs of straight toothed gears).
- Accurate adjustment of cams by means of screws.
- Positive opening NC contacts for safety functions.
- Mechanical life of switches: 1 million operations.
- IP protection degree: Base is classified IP42, IP65 or IP66, IP67 and IP69K.
- NEMA protection degree: Base IP66, IP67 and IP69K is classified Type 3.
- Extreme temperature resistance: -40°C to +80°C.
- It features stainless steel AISI 430F transmission and gear driving shafts, self-lubricating technopolymer gears and driving bushes, technopolymer base and cover.
- Sintered bronze bushes are moulded into the base of the limit switch to optimize shaft rotation and prevent rubbing with plastic material.
- All materials and components used are wear resistant and guarantee protection of the unit against water and dust.

### OPTIONS

- Revolution ratios from 1:15 to 1:1500, achieved by combining different secondary output stages.
- Snap action switches with 1NO+1NC contacts.
- It can be equipped with a cam set with maximum 6 switches.
- Dedicated cable clamps or connectors.
- Available with anti-moisture plug fitted to the base by means of a lock nut, to improve transpiration for the limit switch while maintaining protection against water.
- Available with flanges, pinion gears and couplings.
- Available with direct control switches to enable direct action on the motor.


### CERTIFICATIONS

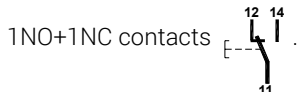
- CE marking, cURus\* marking and EAC certification.
- Complying with accident prevention regulation BGV C 1 (only for Germany).

Use the online configurator (<https://configuratore.terworld.com>) or fill in the "request form" for accurate product configuration.

\* Not available on all versions.

## STANDARD LIMIT SWITCHES

Standard limit switches are equipped with cams PRSL7140PI  and auxiliary control switches PRSL0003XX with



Rated revolution ratio	Real revolution ratio	No. of cams and switches	IP 42	IP 65	IP 66 / IP 67 / IP 69K
			CE EAC	CE EAC	CE cRU US EAC
			Code	Code	Code
1:15	1:15.82	2	PFA9142A0015001	PFA9165A0015003	PFA9067A0015001
		3	PFA9142A0015003	PFA9165A0015004	PFA9067A0015003
		4	PFA9142A0015002	PFA9165A0015005	PFA9067A0015002
1:20	1:20.37	2	PFA9142A0020001	PFA9165A0020001	PFA9067A0020001
		3	PFA9142A0020003	PFA9165A0020003	PFA9067A0020003
		4	PFA9142A0020002	PFA9165A0020002	PFA9067A0020002
1:25	1:25.96	2	PFA9142A0025001	PFA9165A0025004	PFA9067A0025001
		3	PFA9142A0025003	PFA9165A0025005	PFA9067A0025003
		4	PFA9142A0025002	PFA9165A0025006	PFA9067A0025002
1:50	1:50	2	PFA9142A0050001	PFA9165A0050002	PFA9067A0050001
		3	PFA9142A0050003	PFA9165A0050003	PFA9067A0050003
		4	PFA9142A0050002	PFA9165A0050004	PFA9067A0050002
1:75	1:75	2	PFA9142A0075001	PFA9165A0075001	PFA9067A0075001
		3	PFA9142A0075003	PFA9165A0075003	PFA9067A0075003
		4	PFA9142A0075002	PFA9165A0075002	PFA9067A0075002
1:100	1:103.57	2	PFA9142A0103001	PFA9165A0103001	PFA9067A0103001
		3	PFA9142A0103003	PFA9165A0103003	PFA9067A0103003
		4	PFA9142A0103002	PFA9165A0103002	PFA9067A0103002
1:150	1:158.02	2	PFA9142A0158001	PFA9165A0158001	PFA9067A0158001
		3	PFA9142A0158003	PFA9165A0158003	PFA9067A0158003
		4	PFA9142A0158002	PFA9165A0158002	PFA9067A0158002