

Rotary Limit Switches

Features

- Safety Rotary Limit Switches
- Ratio from 1:10 to 1:200
- Small, ergonomic and easy to install
- 2 or 4 Contacts
- 6 different type of cams
- Positive opening contacts
- Different type of accessories

RS PRO Rotary Limit Switches

RS Stock No.: 0782182



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Rotary limit switch is a device which allows you to control the movement of industrial and building machines. The shaft is connected to the motor, so that, after a precise number of turns, the cams cause the intervention of the internal contacts. The innovative and thorough regulation of the cams allows you to set the microswitches working point linearly and micrometrically. This series includes a great number of different accessories, which make easier the use of the limit switch.

Mechanical Specifications

Plastic casing	Technopolymer with high mechanical and thermal resistance
Operating temperature	-20°C ÷ +60°C
Storage temperature	-20°C ÷ +60°C
Cable entries	M16x1,5 cable gland
Connection type	Fingerproof screw terminal
Terminal tightening torque	0.6 Nm
Insulation category	Class II
Max. rotation speed	500 rpm
Shaft material	Stainless steel
Mechanical lifetime	10•10 ⁶ operations

Electrical Specifications

Nominal thermal current	10A
Operating current	3A
Insulation voltage	250A
Operating voltage	250A
Usage category	AC-15 according to EN 60947-5-1

Protection Category

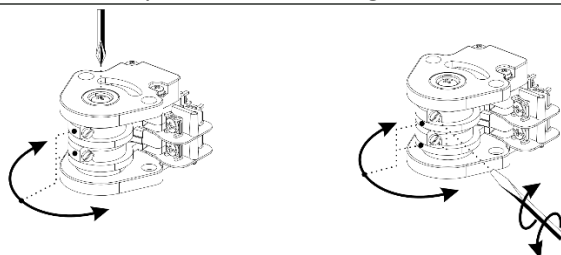
Protection degree	IP65
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Approvals

Compliance with EEC Directives	2014/35/UE 2011/65/UE
Compliance with Rules	EN 60947-1 EN 60947-5-1 EN 60529 EN 60204-1
Approval	CE

Regulation

Each cam is equipped with its own micrometrical regulation screw. Regulation can be easily carried out through a screwdriver



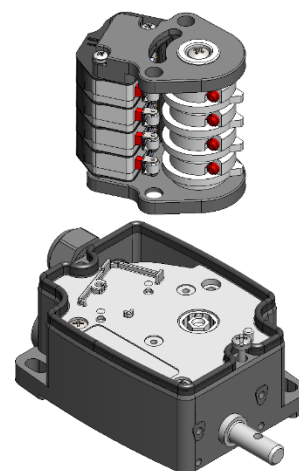
1. Optional basic regulation

- loosen the upper screw
- rotate the cams manually
- tighten the upper screw (torque 1 Nm)

2. Fine regulation

- rotate the regulation screw of each cam
- suggested screwdriver 4,0 x 0,8

The particular clutch system ensures regulation rapidity and precision as well as stability, steadiness and reliability.



Standard Cams profile

Type	Description	
A	Pointed – White	Standard
B	Sector – Grey	Standard
C	Quarter-Turn – Red	On request
D	Semi-Turn – White	On request
E	Circular – White	On request
F	10 Points – White	On request

Unless other specifications, the limit switches are supplied with white pointed cams (type A). Other profiles on demand

Code and type

0782184	RS PRO IP65 rotary limit switch ratio 1:100 4 safety contacts 20° cams
0782182	RS PRO IP65 rotary limit switch ratio 1:015 4 safety contacts 45° cams
0782183	RS PRO IP65 rotary limit switch ratio 1:025 4 safety contacts 45° cams

Dimensions

