



Rotary limit switches are used to control and measure movement of industrial machinery by reading the rotation angle and/or counting the number of revolutions of a shaft. They operate as an auxiliary controller for electric motors through a power interface. The switch shaft can be connected to a motor and after a preset number of revolutions the cams operate a switch.

Each cam can be set with a high accuracy due to precision cam adjusting screws.

- Utilisation category: AC 15
- Rated operational voltage: 250 V
- Operational temperature: -40°C/+80°C
- Rated current: 3A operational / 10A thermal
- Conformity to standards: EN 60204-1/35, 60947-1/5-1, 60529, CSA-C22.2 No 14-13, UL 508

type	ratio	no. micro's	description
<b>Base series - Wormgear limit switches</b>			
		<b>1 x CO</b>	<i>(H) 84.5 x (W) 70 x (D) 106 mm</i>

- Protection degree: IP42
- Mechanical life: 1x10<sup>6</sup> operations
- Connections: Faston 6.3 mm

<b>PFA9142A0015001</b>	1:15	2	Base miniature wormgear limit switch
<b>PFA9142A0025001</b>	1:25	2	Base miniature wormgear limit switch
<b>PFA9142A0050001</b>	1:50	2	Base miniature wormgear limit switch
<b>PFA9142A0075001</b>	1:75	2	Base miniature wormgear limit switch
<b>PFA9142A0103001</b>	1:100	2	Base miniature wormgear limit switch
<b>PFA9142A0158001</b>	1:150	2	Base miniature wormgear limit switch

<b>Fox / Oscar series - Wormgear limit switches</b>			
		<b>1NO + 1NC</b>	

- Protection degree: IP66, IP67, IP69K
- Mechanical life: 10x10<sup>6</sup> operations
- Connections: Screw-type terminals with self-raising clamps

<b>Fox series - Wormgear limit switches</b>			
			<i>(H) 117 x (W) 75 x (D) 141 mm</i>

<b>PFB9067L0016010</b>	1:15	2	Fox industrial wormgear limit switch
<b>PFB9067L0027007</b>	1:25	2	Fox industrial wormgear limit switch
<b>PFB9067L0062033</b>	1:50	2	Fox industrial wormgear limit switch
<b>PFB9067L0103037</b>	1:100	2	Fox industrial wormgear limit switch
<b>PFB9067L0162007</b>	1:150	2	Fox industrial wormgear limit switch
<b>PFB9067L0222011</b>	1:200	2	Fox industrial wormgear limit switch
<b>PFB9067L0254019</b>	1:250	2	Fox industrial wormgear limit switch

*Cam set and switches can be replaced with a potentiometer or encoder (below) on Fox switches/*

<b>Oscar series - Wormgear limit switches</b>			
			<i>(H) 134.5 x (W) 119 x (D) 146.5 mm</i>

Can be equipped with up to two cam sets (*up to 10 switches*) with potentiometers (*alone or on top of cam sets with up to 3 switches*) and Yankee absolute encoders (*on top of cam sets with up to 4 switches*)

<b>PFC9067L0031032</b>	1:25	2	Oscar industrial wormgear limit switch
<b>PFC9067L0062004</b>	1:50	2	Oscar industrial wormgear limit switch
<b>PFC9067L0107014</b>	1:100	2	Oscar industrial wormgear limit switch
<b>PFC9067L0156004</b>	1:150	2	Oscar industrial wormgear limit switch
<b>PFC9067L0214004</b>	1:200	2	Oscar industrial wormgear limit switch
<b>PFC9067L0254004</b>	1:250	2	Oscar industrial wormgear limit switch
<b>PFC9067L0313023</b>	1:300	2	Oscar industrial wormgear limit switch

<b>Accessories for above Fox and Oscar switches</b>			
---	--	--	--

<b>Standard cam set and switches</b>			
<b>FCL20001</b>	cam set	2	std. cam set with switches for Fox/Oscar
<b>FCL40003</b>	cam set	4	std. cam set with switches for Fox/Oscar

<b>Potentiometer</b>			
<b>PA020001</b>	10	kΩ	10kΩ - others available on request potentiometer with support for Fox/Oscar

<b>Incremental encoders</b>			
<b>PA030001</b>	36	pulses/rev	4.5 - 30 VDC Encoder with support
<b>PA030002</b>	150	pulses/rev	4.5 - 30 VDC Encoder with support

<b>Yankee Absolute encoders</b>			
<b>PA01AA01</b>	current	4 - 20mA	12 - 48 VDC/AC Absolute Encoder
<b>PA01AB01</b>	voltage	0 - 10V	12 - 48 VDC/AC Absolute Encoder
<b>PA01AC01</b>	PWM	0 - 100%	12 - 48 VDC/AC Absolute Encoder

<b>Mounting accessories for Base, Fox, Oscar limit switches</b>			
<b>PRSL0356PI</b>	flange	mounting flange + screws and pins for Base/Fox/Oscar	
<b>PRSL0981PI</b>	coupling	coupling with pin for Base/Fox/Oscar	
<b>PRSL0920PI</b>	coupling	female coupling with pin for Base/Fox/Oscar	
<b>PRSL0919PI</b>	coupling	male coupling with pin for Base/Fox/Oscar	