

# OSCAR - REQUEST FORM FOR NON STANDARD LIMIT SWITCH

## Instructions

(See next page for list of components and legends)

- 1 Version:** tick the required version.
- 2 Lima:** tick the box if you require Lima system.
- 3 SIL 1 certified:** tick the box if you require SIL 1 certified units.
- 4 Revolution ratio:** write the required revolution ratio.
- 5 Standard cam set:** write the code of the cam set required.
- 6 Customized cam set:** for non standard cam sets, fill in the scheme choosing the cams and the switches required. It is possible to assemble sets with 2, 3, 4, 5 or 6 cams/switches. Customized cams are available on request.
- 7 Potentiometers, encoders, Yankee:** write the code of the potentiometer, encoder or Yankee required. ATTENTION: the potentiometer PA020009 can be mounted only alone, i.e. with NO sets of cams. Please refer to the table on the next pages for all other possible configurations.
- 8 Coupling, flange, pinion gear:** tick the box when coupling, flange or pinion gear are required. When a standard pinion gear is required, write the code number listed in the pinion gear charts in the catalogue. When a special pinion gear is required, write the number of teeth, the module and the primitive diameter.
- 9 Shaft:** tick the shaft type required. Limit switches with Lima are available only with shafts made of high resistance stainless steel AISI 303. Customized shafts are available on request.
- 10 Cable clamps:** tick type and position of the cable clamps (8 max).

### Version 1

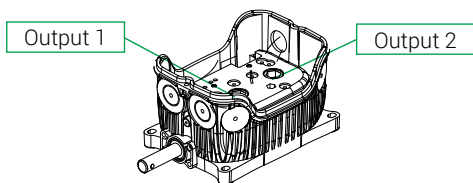
- Version **CE EAC**
- Version **cULus CE EAC**
- Version with anti-moisture plug **CE EAC**

ATTENTION: Limit switches with Lima are only CE marked.  
ATTENTION: Rotary limit switches with shaft made of stainless steel AISI 430F are not cULus certified.

### Lima 2

### SIL1 certified 3

ATTENTION: Oscar XL with cover rise are not SIL1 certified.



### Revolution ratio 4

- Output 1
- 1:1    1:25    1:200    1:1
- 1:5    1:50    1:250    Revolution ratio equal to output 1
- 1:10    1:70    1:300
- 1:15    1:100    1:450
- 1:20    1:150    1:

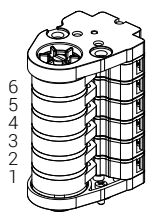
### Standard cam set 5

Cam set code \_\_\_\_\_

\_\_\_\_\_ Output 1

\_\_\_\_\_ Output 2

### Customized cam set 6



Output 1		Switch code
Cam code		
6	_____	_____
5	_____	_____
4	_____	_____
3	_____	_____
2	_____	_____
1	_____	_____

Output 2		Switch code
Cam code		
6	_____	_____
5	_____	_____
4	_____	_____
3	_____	_____
2	_____	_____
1	_____	_____

### Potentiometers, encoders, Yankee 7

Output 1      Output 2

Code      \_\_\_\_\_

- Male coupling**       **Coupling 8**
- Female coupling**       **Flange**
- Pinion gear**

Pinion gear code \_\_\_\_\_

Customized pinion gear

No. of teeth \_\_\_\_\_

Module \_\_\_\_\_

Primitive diameter \_\_\_\_\_

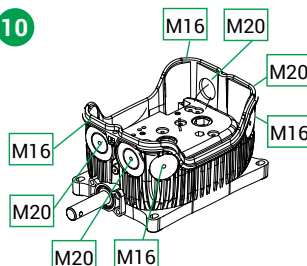
### Standard shaft 9

- Shaft made of stainless steel AISI 430F
- Shaft made of high resistance stainless steel AISI 303

### Flexible shaft

- Shaft made of stainless steel AISI 430F
- Shaft made of high resistance stainless steel AISI 303

### Cable clamps 10





## 5 Legend - Standard cam sets

No. and type of switches	No. and type of cams	Code
2 x PRSL0110XX	2 cams A	FCL20001
	Cams A+C	FCL20003
	2 cams C	FCL20005
4 x PRSL0110XX	Cams D+D+B+F	FCL40001
	4 cams A	FCL40003
	Cams A+A+C+C	FCL40005
	4 cams C	FCL40007
	Cams C+C+C+E	FCL40009
	Cams A+A+E+E	FCL40011
5 x PRSL0110XX	5 camme A	FCL50006
	5 camme C	FCL50001
6 x PRSL0110XX	6 camme A	FCL60003
	6 camme C	FCL60001
2 x PRSL0111XX	2 cams A	FCL20002
	Cams A+C	FCL20004
	2 cams C	FCL20006
4 x PRSL0111XX	Cams D+D+B+F	FCL40002
	4 cams A	FCL40004
	Cams A+A+C+C	FCL40006
	4 cams C	FCL40008
	Cams C+C+C+E	FCL40010
	Cams A+A+E+E	FCL40012
5 x PRSL0111XX	5 camme A	FCL50005
	5 camme C	FCL50010
6x PRSL0111XX	6 camme A	FCL60006
	6 camme C	FCL60010







## 7 Legend - Potentiometers, encoders standard and Yankee

Description	Code
Potentiometer MCB 10 kΩ with support	PA020001
Potentiometer MCB 10 kΩ mechanical stop with support	PA020002
Potentiometer Sfernice 10 kΩ ±10% 4 pins with support	PA020003
Potentiometer Sfernice 10 kΩ ±10% 3 pins with support	PA020004
Potentiometer Sfernice 5 kΩ ±10% with support	PA020005
Potentiometer Megatron 4.7 kΩ with support	PA020006
Potentiometer Megatron 10 kΩ with support	PA020007
Potentiometer Megatron 2.2 kΩ with support	PA020008
Potentiometer Novotechnik 2KΩ with support	PA020009
Encoder 36 pulses./rev. with support	PA030001
Encoder 150 pulses./rev. with support	PA030002
Yankee - current output	PA01AA01
Yankee - voltage output	PA01AB01
Yankee - PWM output	PA01AC01

## 6 Legend - Switches

PRSL0110XX	PRSL0111XX
1NO+1NC	1NC
	

## 6 Legend - Standard cams

Cam	Code for PRSL0110XX switches	Switching angle with PRSL0110XX	Code for PRSL0111XX switches	Switching angle with PRSL0111XX
A 	PRSL7194PI	21.5° ±0.5°	PRSL7194PI	23.0° ±0.5°
B 	PRSL7193PI	21.5° ±0.5°	PRSL7193PI	23.0° ±0.5°
C 	PRSL7195PI	82.0° ±0.5°	PRSL7195PI	86.0° ±0.5°
D 	PRSL7196PI	94.0° ±0.5°	PRSL7196PI	97.5° ±0.5°
E 	PRSL7191PI	204.5° ±0.5°	PRSL7191PI	203.0° ±0.5°
F 	PRSL7192PI	328.5° ±0.5°	PRSL7192PI	327.0° ±0.5°

## 6 Configuration table

The following table shows possible configurations of Oscar and Oscar XL.

When it is not possible to mount a set of cams together with a potentiometer/encoder, the table shows «Not available.»

When the cover PA090008 is not high enough to hold the elements mounted inside the limit switch, it is possible to use the cover rise PRSL0703PI (the table shows «Oscar XL»).

In all other cases it is possible to mount the sets of cams and potentiometer/encoder with the standard cover PA090008 (the table shows «Oscar»).

	Set of cams with 2 switches	Set of cams with 3 switches	Set of cams with 4 switches	Set of cams with 5 switches	Set of cams with 6 switches
<b>Set of cams only</b>	Oscar	Oscar	Oscar	Oscar	Oscar XL
<b>Set of cams + Yankee1</b>	Oscar	Oscar	Oscar	Oscar XL	Oscar XL
<b>Set of cams + PA020001</b>	Oscar	Oscar XL	Oscar XL	Not available	Not available
<b>Set of cams + PA020002</b>	Oscar	Oscar XL	Oscar XL	Not available	Not available
<b>Set of cams + PA020003</b>	Oscar	Oscar	Oscar XL	Oscar XL	Not available
<b>Set of cams + PA020004</b>	Oscar	Oscar	Oscar XL	Oscar XL	Not available
<b>Set of cams + PA020005</b>	Oscar	Oscar	Oscar XL	Oscar XL	Not available
<b>Set of cams + PA020006</b>	Oscar	Oscar XL	Oscar XL	Not available	Not available
<b>Set of cams + PA020007</b>	Oscar	Oscar XL	Oscar XL	Not available	Not available
<b>Set of cams + PA020008</b>	Oscar	Oscar XL	Oscar XL	Not available	Not available
<b>Set of cams + PA030001</b>	Oscar	Oscar	Oscar XL	Oscar XL	Not available
<b>Set of cams + PA030002</b>	Oscar	Oscar	Oscar XL	Oscar XL	Not available