OSCAR - REQUEST FORM FOR NON STANDARD LIMIT SWITCH

Instructions

(See next pages for list of components and legends)

1. **Version**: tick the required version.
2. **Lima:** tick the box if you require Lima system.
3. **Revolution ratio**: write the required revolution ratio for each output.
4. **Standard cam sets**: write the code of the cam set required for each output, according to the legend.
5. **Customized cam sets**: for non standard cam sets, fill in the scheme choosing the cams and the switches required, according to the legend. It is possible to assemble sets with 2, 3, 4, 5 or 6 cams/switches.
   Customized cams are available on request.
6. **Potentiometers, encoders, Egon 36-AL, Yankee**: write the code of the potentiometer, encoder, Egon 36-AL or Yankee required, according to the legend.
   ATTENTION: potentiometer PA020009 can be mounted only alone, i.e. with no sets of cams/switches.
   Please refer to the table on the next pages for all other possible configurations.
   To generate Egon 36-AL codes, use the form on the next pages.
7. **Coupling, flange, pinion gear:** tick the appropriate 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 tables in the catalogue.
   When a special pinion gear is required, write the number of teeth, the module and the primitive diameter.
8. **Shaft**: tick the type of shaft required. Limit switches with Lima are available only with shafts made of high resistance stainless steel AISI 303
   Customized shafts are available on request.
9. **Cable glands**: tick type and position of the cable glands (max. 8).

Version 1

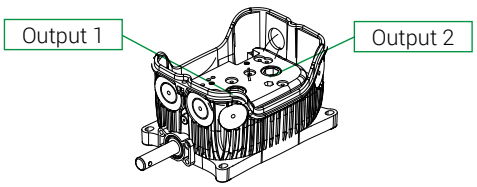
☐ Version CE UKCA

☐ Version cULus CE UKCA

☐ Version with anti-moisture plug CE UKCA

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

☐ Lima 2



Revolution ratio 3

Output 1			Output 2
☐ 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: ____	

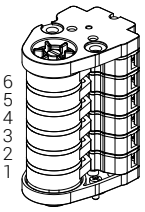
Standard cam sets 4

Cam set code

_____ Output 1

_____ Output 2

Customized cam sets 5



Output 1

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

Output 2

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

Potentiometers, encoders, Egon 36-AL, Yankee 6

	Output 1	Output 2
Code	_____	_____

☐ **Male coupling** ☐ **Female coupling** ☐ **Pinion gear**

☐ **Coupling** ☐ **Flange** 7

Pinion gear code _____

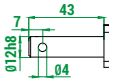
Customized pinion gear

No. of teeth _____

Module _____

Primitive diameter _____

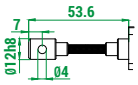
Standard shaft 8



☐ Stainless steel AISI 430F shaft

☐ High resistance stainless steel AISI 303 shaft

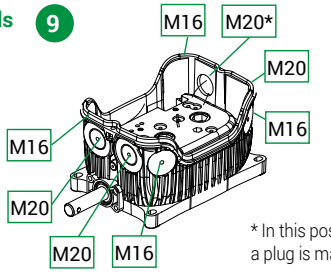
Flexible shaft



☐ Stainless steel AISI 430F shaft

☐ High resistance stainless steel AISI 303 shaft

Cable glands 9



* In this position an M20 cable gland or a plug is mandatory.

4 Legend - Standard cam sets

No. & type of switches	No. & 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

6 Legend - Potentiometers, encoders and Yankee

Description	Code
Potentiometer 10 kΩ - with support	PA020001
Potentiometer 10 kΩ mechanical stop - with support	PA020002
Potentiometer 10 kΩ ±10% 4 pins - with support	PA020003
Potentiometer 10 kΩ ±10% 3 pins - with support	PA020004
Potentiometer 5 kΩ ±10% - with support	PA020005
Potentiometer 4.7 kΩ - with support	PA020006
Potentiometer 10 kΩ - with support	PA020007
Potentiometer 2.2 kΩ - with support	PA020008
Potentiometer 2KΩ - with support	PA020009
Encoder 36 pulses/rev. - with support	PA030001
Encoder 150 pulses/rev. - with support	PA030002
Yankee - current output	PA01AA01 / PA02AA01
Yankee - voltage output	PA01AB01
Yankee - PWM output	PA01AC01

5 Legend - Switches

PRSL0110XX	PRSL0111XX
1NO+1NC	1NC
	

5 Legend - Cams

Cam			Cam code for PRSL0110XX switch	Switching angle with PRSL0110XX	Cam code for PRSL0111XX switch	Switching angle with PRSL0111XX
A		1 point	PRSL7194PI	21.5° ±0.5°	PRSL7194PI	23.0° ±0.5°
B		10 points	PRSL7193PI	21.5° ±0.5°	PRSL7193PI	23.0° ±0.5°
C		60° sector	PRSL7195PI	82.0° ±0.5°	PRSL7195PI	86.0° ±0.5°
D		72° sector	PRSL7196PI	94.0° ±0.5°	PRSL7196PI	97.5° ±0.5°
E		180° sector	PRSL7191PI	204.5° ±0.5°	PRSL7191PI	203.0° ±0.5°
F		305° sector	PRSL7192PI	328.5° ±0.5°	PRSL7192PI	327.0° ±0.5°

6 Configuration table

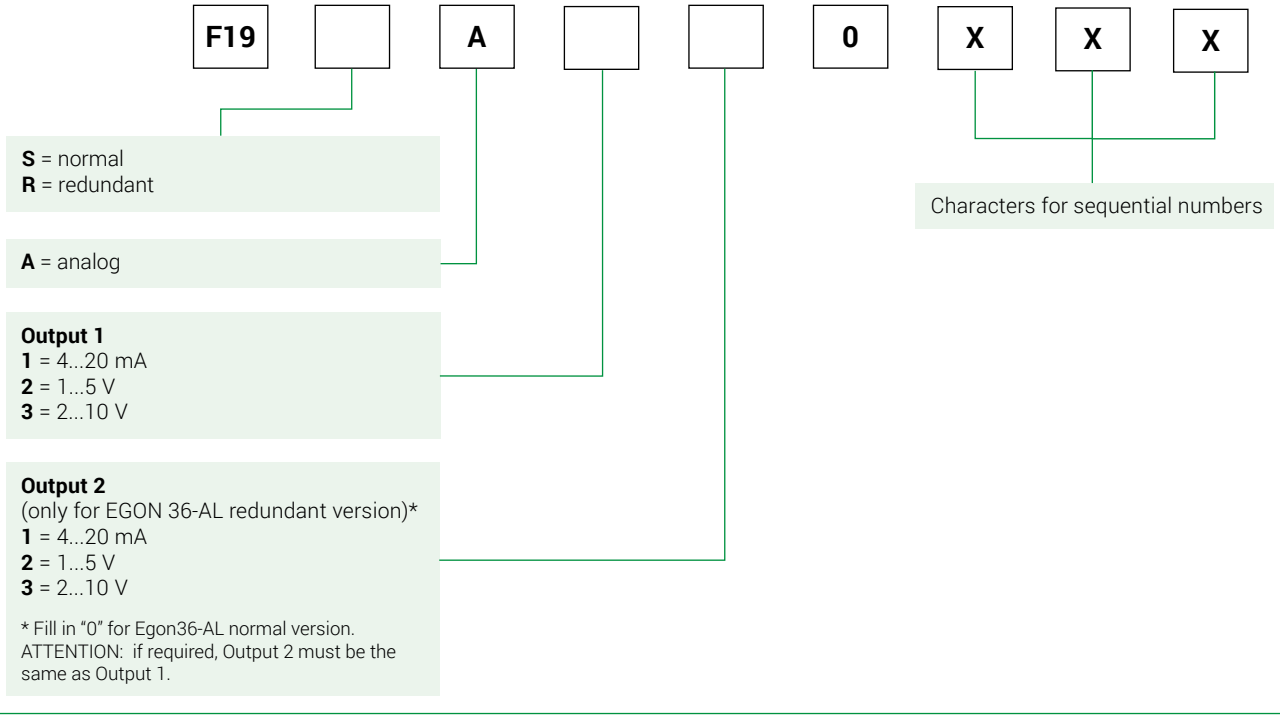
The following table shows possible configurations of Oscar and Oscar XL.
When it is not possible to mount a set of cams together with a potentiometer/encoder, the table shows «Not available».
When the standard cover PA090008 is not high enough to hold the elements mounted inside the limit switch, it 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
Set of cams only	Oscar	Oscar	Oscar	Oscar	Oscar XL
Set of cams + Egon 36-AL	Oscar	Oscar XL	Oscar XL	Not available	Not available
Set of cams + Yankee	Oscar	Oscar	Oscar	Oscar XL	Oscar XL
Set of cams + PA020001	Oscar	Oscar XL	Oscar XL	Not available	Not available
Set of cams + PA020002	Oscar	Oscar XL	Oscar XL	Not available	Not available
Set of cams + PA020003	Oscar	Oscar	Oscar XL	Oscar XL	Not available
Set of cams + PA020004	Oscar	Oscar	Oscar XL	Oscar XL	Not available
Set of cams + PA020005	Oscar	Oscar	Oscar XL	Oscar XL	Not available
Set of cams + PA020006	Oscar	Oscar XL	Oscar XL	Not available	Not available
Set of cams + PA020007	Oscar	Oscar XL	Oscar XL	Not available	Not available
Set of cams + PA020008	Oscar	Oscar XL	Oscar XL	Not available	Not available
Set of cams + PA030001	Oscar	Oscar	Oscar XL	Oscar XL	Not available
Set of cams + PA030002	Oscar	Oscar	Oscar XL	Oscar XL	Not available

6 Configuration form for Egon 36-AL

To generate the encoder code, fill in the boxes with the characters corresponding to the specifications required, as shown in the example.
Enter the code in the space provided at point 6 (Potentiometers, encoders, Egon 36-AL, Yankee) of the «Request form for non standard limit switch».

F19	R	A	1	1	0	X	X	X



REMARKS