

# Rotary gear limit switches

## FGR series for control circuits

IP65 □



TECHNO-CONTROL EQUIPMENT

### GENERAL CHARACTERISTICS

This range is aimed at the control of rotating parts: crane rope drums, machinery, etc. They are supplied with a micro ,adjustable by a tool, to set the contacts to open and close independent from one another according to the different requirements. The FGR..B version is supplied with a coaxial shaft to use an encoder.

- Die cast main body with self extinguishing thermoplastic cover VO
- IP65 protection rating according to IEC/EN 60529
- Galvanised steel worm gear with ball bearings
- PA control cams with central stainless steel shaft mounted on ball bearings
- Cams and micrometric adjustment screws in PA
- Maximum number of operating contacts 6 (6 cams)
- No.2 cable entries with M20 cable glands
- $\Sigma$  Operating temperature -25° C + 70° C

### ELECTRICAL CHARACTERISTICS

- Comply with IEC/EN 61058-1, UL 1054
- Certifications IMQ, CCC, GOST, UL Recognized
- 1NC+1NO changeover switches (C form)
- Snap action contacts with positive opening NC contact  $\ominus$
- Self cleaning silver alloy contacts
- Rated insulation voltage  $U_i$  250V
- Rated thermal current 8A
- Rated operating current:
  - resistive load  $I_e$  8A-250V ac
  - inductive load  $I_e$  3A-250V ac
- IEC/EN 61058-1 8(3)A-250V ac, UL 1054 8A-250Vac



### STANDARD VERSION

CAM/MOTORSHAFT REV RATIO	REFERENCE NO.		WEIGHT gr	MIN. PACK QTY.
	With 4 micro switches	With 6 micro switches		
1/12	FGR2006	FGR20066	1.100	1
1/33	FGR2007	FGR20076	1.100	1
1/50	FGR2008	FGR20086	1.100	1
1/100	FGR2009	FGR20096	1.100	1
1/200	FGR2010	FGR20106	1.100	1

### COAXIAL SHAFT VERSION

CAM/MOTORSHAFT REV RATIO	REFERENCE NO.		WEIGHT gr	MIN. PACK QTY.
	With 4 micro switches	With 6 micro switches		
1/12	FGR2006B	FGR2006B6	1.200	1
1/33	FGR2007B	FGR2007B6	1.200	1
1/50	FGR2008B	FGR2008B6	1.200	1
1/100	FGR2009B	FGR2009B6	1.200	1
1/200	FGR2010B	FGR2010B6	1.200	1

