



Limit switches FCR – FGR series Table of contents





TECHNO-CONTROL EQUIPMENT

133

Rotary limit switches

FCR series for control circuits IP65 🗆

Rotary gear limit switches FGR series for control circuits IP65 🗆

GENERAL CHARACTERISTICS

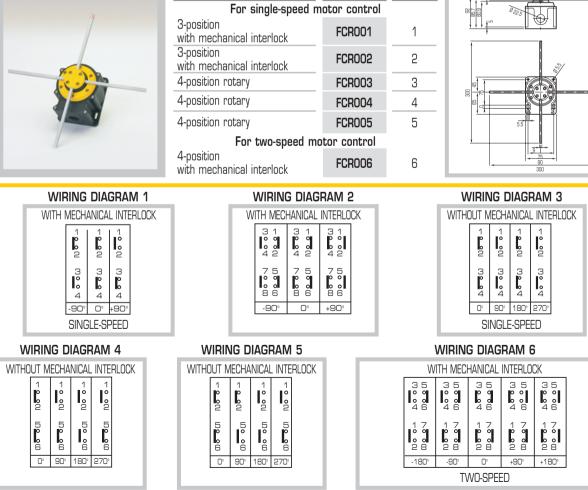
- Self extinguishing thermoplastic housing VO UL94
- IP65 protection rating according to IEC/EN 60529
- Ambient temperature: operating -25° +55° C
- storage -30° +70° C
- Material class II. Pollution class 3 according to IEC/EN60947
- Slow break positive opening double gap contacts \ominus
- No.1 cable entry 22,5 Ø

ELECTRICAL CHARACTERISTICS

Comply with IEC/EN60947-3, UL508 Certifications IMQ, CCC, GOST, UL Rated insulation voltage Ui V 690 Rated impulse withstand voltage Uimp kV 4 Rated thermal current lth A 16 Frequency Hz 50/ Rated operating current: AC21A - AC22A 690V A 16 AC23A 3-phase - 3-pole 230V A/kW 13/	
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AC23A 3-phase - 3-pole 230V A/kW 13/	
	′4
400V A/kW 13/	/7,5
Rated short circuit withstand current (gG 20A-690V fuses) kA 5	

WIRING DIAGRAM No.

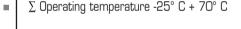


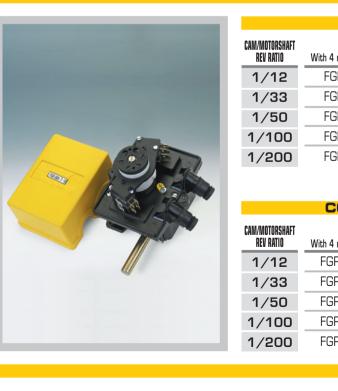


REFERENCE NO.

DESCRIPTION

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 FGRB 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 M2O cable glands	
Σ Operating temperature -25° C + 70° C	







TECHNO-CONTROL EQUIPMENT

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 \bigcirc
Self cleaning silver alloy contacts
Rated insulation voltage Ui 250V
Rated thermal current 8A
Rated operating current:
resistive load le 8A-250V ac
inductive load le 3A-250V ac
IEC/EN 61058-1 8(3)A-250V ac, UL 1054 8A-250Vac

STANDARD VERSION

REFERE	NCE NO.			
1 micro switches	With 6 micro switches	WEIGHT gr	MIN. PACK QTY.	
GR2006	FGR20066	1.100	1	
GR2007	FGR20076	1.100	1	
GR2008	FGR20086	1.100	1	
GR2009	FGR20096	1.100	1	
GR2010	FGR20106	1.100	1	

COAXIAL SHAFT VERSION

REFERE	NCE NO.		
micro switches	With 6 micro switches	WEIGHT gr	MIN. PACK QTY.
R2006B	FGR2006B6	1.200	1
R2007B	FGR2007B6	1.200	1
R2008B	FGR2008B6	1.200	1
R2009B	FGR2009B6	1.200	1
R2010B	FGR2010B6	1.200	1

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