

Rotary limit switches

FCR series for control circuits

IP65 □

GENERAL CHARACTERISTICS

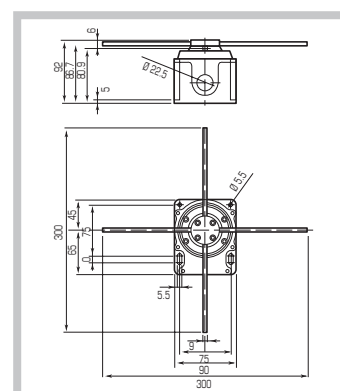
- Self extinguishing thermoplastic housing VO UL94
- IP65 protection rating according to IEC/EN 60529
- Ambient temperature: operating -25° +55° C
storage -30° +70° C
- Material class II, Pollution class 3 according to IEC/EN60947
- Slow break positive opening double gap contacts →
- No.1 cable entry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

ELECTRICAL CHARACTERISTICS

Comply with IEC/EN60947-3, UL508	
Certifications IMG, CCC, GOST, UL	
Rated insulation voltage Ui	V 690
Rated impulse withstand voltage Uimp	kV 4
Rated thermal current Ith	A 16
Frequency	Hz 50/60
Rated operating current:	
AC21A - AC22A	690V A 16
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

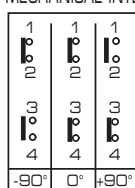


DESCRIPTION	REFERENCE NO.	WIRING DIAGRAM No.
For single-speed motor control		
3-position with mechanical interlock	FCR001	1
3-position with mechanical interlock	FCR002	2
4-position rotary	FCR003	3
4-position rotary	FCR004	4
4-position rotary	FCR005	5
For two-speed motor control		
4-position with mechanical interlock	FCR006	6



WIRING DIAGRAM 1

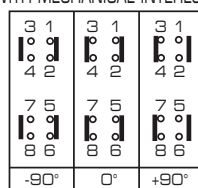
WITH MECHANICAL INTERLOCK



SINGLE-SPEED

WIRING DIAGRAM 2

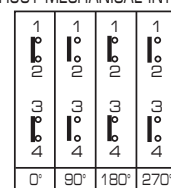
WITH MECHANICAL INTERLOCK



-90° 0° +90°

WIRING DIAGRAM 3

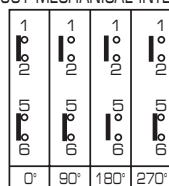
WITHOUT MECHANICAL INTERLOCK



SINGLE-SPEED

WIRING DIAGRAM 4

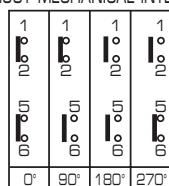
WITHOUT MECHANICAL INTERLOCK



0° 90° 180° 270°

WIRING DIAGRAM 5

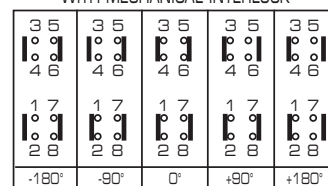
WITHOUT MECHANICAL INTERLOCK



0° 90° 180° 270°

WIRING DIAGRAM 6

WITH MECHANICAL INTERLOCK



-180° -90° 0° +90° +180°

TWO-SPEED