

Position Limit switches

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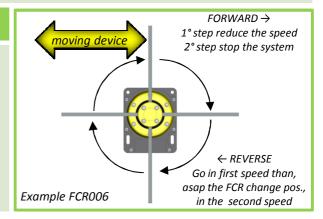
The position (rotary-angular) limit switch is used to control several handling system:

- sophisticated crane system: the unit controls power operating system (ex. PLC) and allows the crane to slow-down and/or to stop running.
- hoist: the unit is used to stop the hoist running whenever it reaches a "limit" position
- Different combinations available for all standard system.
- Customization available on request.

How it works?

As an example, an *FCR006* is typically used on a sophisticated crane system. Its function is to control the crane as it approaches operational limits in the following sequence: With the crane moving forward the end position, the *FCR006* controls the crane's speed reducing the speed (first step) than stopping the crane (second step) .

In this position the forward command is no longer enabled. Only the reversing command is enabled for operation, in the first speed than in the second speed.

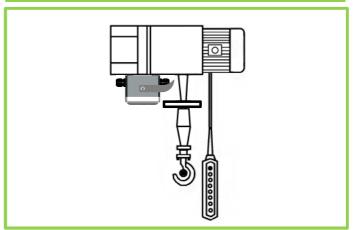




Picture shows a FCR working on a crane system

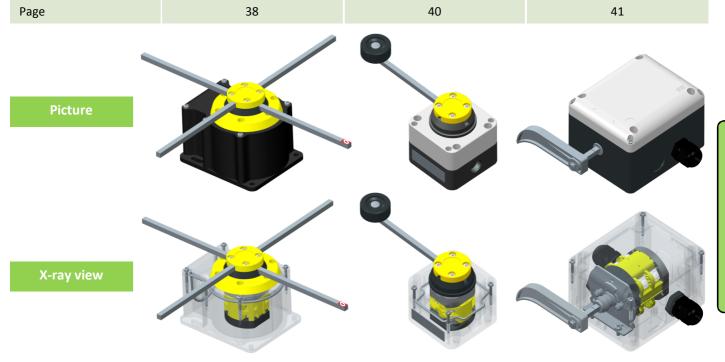


Picture shows a FCP working on a hoist









Characteristics							
Standards		IEC/EN 60947/3	IEC/EN 60947/3	IEC/EN 60947/3, EN81-1			
Case		self extinguishing housing V0 UL94	self extinguishing cover V0 UL94	self extinguishing housing VO UL94			
Protection class IEC/EN 60529		IP65	IP65	IP65			
Cam switch	enclosed thermal current [Ithe]	16A	20A	40A			
	rated insulation voltage [Ui]	690V	690V	690V			
	product ID	P016 Giovenzana line	PX20 Giovenzana line	CX40 Giovenzana line			
	contacts	double gap positive opening	double gap positive opening	double gap positive opening			
	markings						
Cable entry		N° 1 dia. 22.5mm	1xM20 + 1xM16	M20 (max 8)			
Versions		 single or double speed motor configuration 3,4 or 4 with mechanical stop positions 	single speed motor configuration (other configuration on request)	two pole on-off switch (other configuration on request)			
Notes		fully adjustable aluminium rods 6x300mm with "0" indicator reinforced mechanical stop	 fully adjustable metallic rods □ 6x120mm reinforced mechanical stop rubber covering wheel 	- reinforced mechanical stop			



Versions

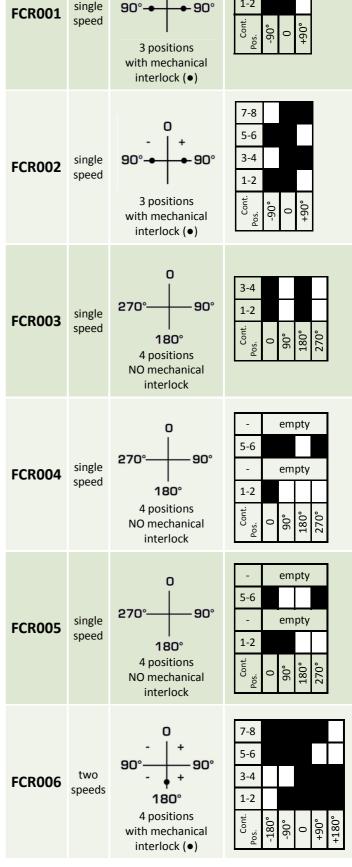
contact open

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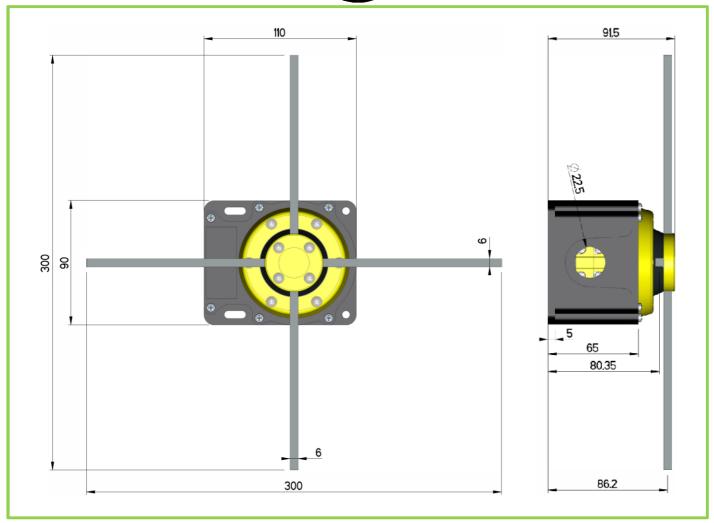
X-ray view	

Characteristics					
	Standards	IEC/EN 60947/3			
	Case	self extinguishing housing V0 UL94			
	otection class EC/EN 60529	IP65 (double insulation 🔲)			
	enclosed thermal current [Ithe]				
	rated insulation voltage [Ui]	690V			
Cam switch	product ID P016 Giovenzana line				
	contacts	double gap positive opening			
	markings				
	Cable entry	N° 1 dia. 22.5mm			
	Versions	 single or double speed motor configuration 3,4 or 4 with mechanical stop positions 			
	Notes	fully adjustable aluminium rods 6x300mm with "0" indicator reinforced mechanical stop			
	Versions	- single or double speed motor configuration - 3,4 or 4 with mechanical stop positions fully adjustable aluminium rods □ 6x300mm with "0" indicator			

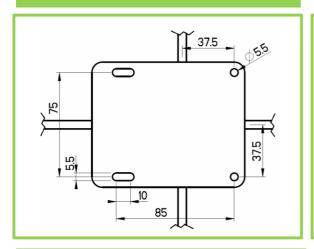




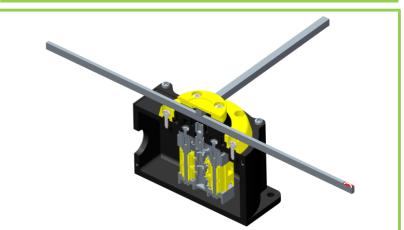
Dimensions



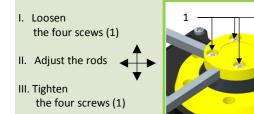
Fixing holes



Section view



Rods adjusting guide



"ZERO" indicator



Reinforced mechanical stop insert

