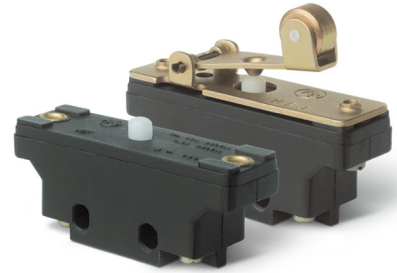


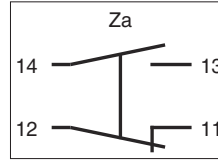
KP MF Series

Double Break Switch

- Double break circuit with Ith 15A
- Long life snap action contacts mechanism
- High resistance plastic enclosure
- Side or top fixation
- Pin, plunger and lever actuators
- Screw terminals



Circuitry

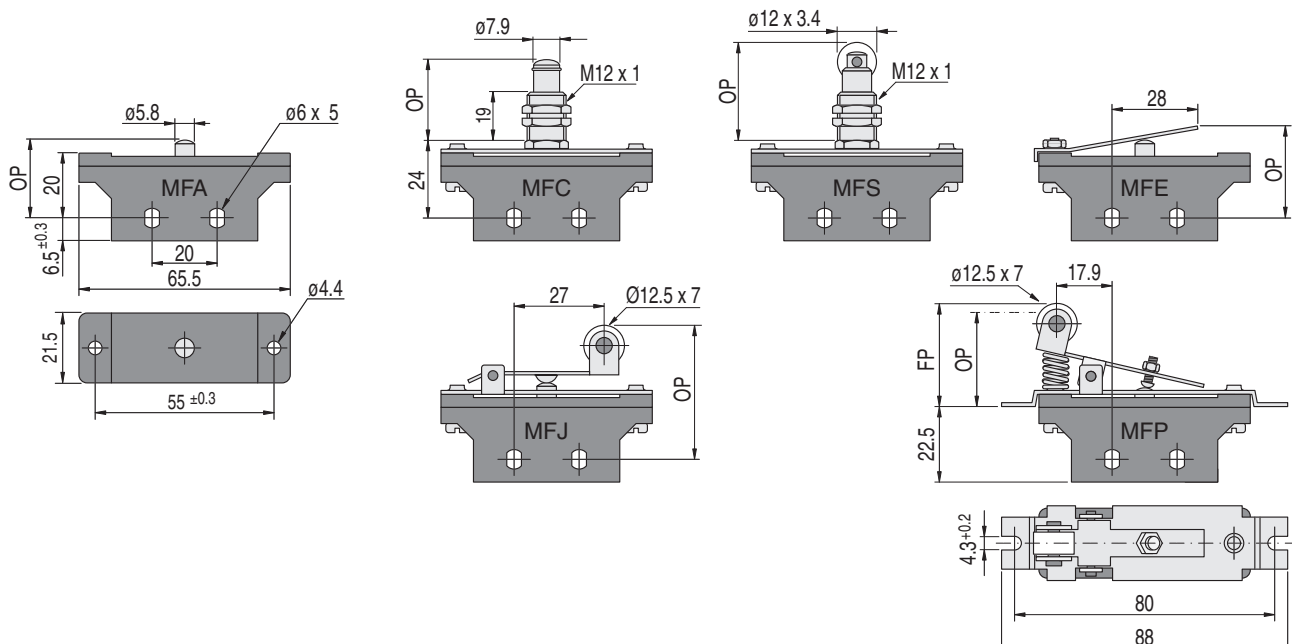


Specifications

Utilization Category (IEC 60947-5-1)	AC-15	DC-13
Rated Operational Voltage (Ue)	250 V	250 V
Rated Operational Current (Ie)	5 A	0,2 A
Rated Insulation Voltage (Ui)	300 V	
Conventional Free Air Thermal Current (Ith)	15 A	
Rated Impulse Withstand Voltage (Uimp)	1500 V	
Contact Resistance	50 mΩ maximum initial (at 1A 5Vdc)	
Ambient Temperature	+85°C maximum	
Degree of Protection (IEC 60529)	IP40 (except terminals)	
Operating Speed	1 mm/sec minimum to 1 m/sec maximum (at Pin Plunger)	
Mechanical Life	1.000.000cycles at 90 cycles/min max	
Electrical Life	50.000 ciclos cycles at 10 cycles/min max.	
Materials	Enclosure:	Thermoplastic Polyamide
	Plungers:	Nickel Plated Brass
	Pin Plunger:	Thermoplastic Acetal POM
	Lever:	Zinc Plated Steel (MFE: Niquel Plated Bronze)
	Rollers:	Zinc Plated Steel (MFP: thermoplastic Polyamide)
	Contacts:	Silver Alloy

Subject to change without prior notice

Dimensions (in mm)



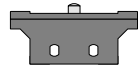
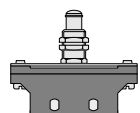
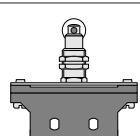
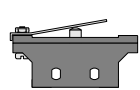
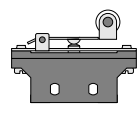
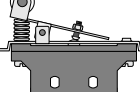
KP COMPONENTES ELÉTRICOS Ltda.

Ordering Information

Series	M F C		Actuator
			Pin Plunger = A
			Plunger = C
			Roller Plunger = S
			Leaf Spring = E
			Roller Hinge Lever = J
			Reverse Action Roller Hinge Lever = P

Characterisitcs

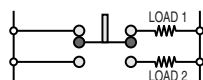
Terminology: OF ... Operating Force PT ... Pretravel
 OP ... Operating Postion DT ... Differential Travel
 FP ... Free Position OT ... Overtravel

Actuator	OF max (grams)	OP (mm)	FP max (mm)	PT max (mm)	DT max (mm)	OT min (mm)
MFA 	700	22,7 ± 0,8	-	2,0	1,1	1,4
MFC 	700	27,5 ± 1,0	-	2,6	1,1	4,0
MFS 	700	39,0 ± 1,2	-	2,6	1,1	3,5
MFE 	760	24,0 ± 2,5	33,2	-	3,2	4,0
MFJ 	350	40,0 ± 2,1	48,5	-	2,4	2,5
MFP 	750	ajustable	32,0	-	2,4	0,4

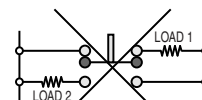
Subject to change without prior notice

Application

Owed the type of contact mechanism construction, is not possible to guarantee simultaneous contact action for this switch type. The electric circuit should be designed to avoid a short circuit. Examples:



RIGHT



WRONG