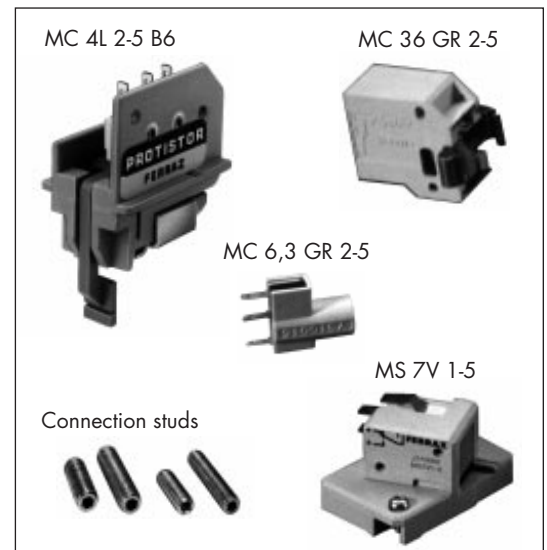




MICROSWITCHES SYSTEMS CONNECTION STUDS

- MICROSWITCHES SYSTEMS ADAPTED TO FOLLOWING FUSES :
 - PSC sizes 30, 31, 32, 33 / 70, 71, 72, 73
 - PSC sizes 000 / 00
 - TO SEPARATED TRIP-INDICATORS (BRITISH RANGE)
 - BRITISH STANDARDS FUSES WITH BUILT-IN TRIP-INDICATOR

- HIGHLY RESISTANT STUDS GIVING TO THE STUD STYLE FUSES AN OPTIMIZED CONNECTION, A GOOD ELECTRICAL CONTACT AND A HIGH MECHANICAL WITHSTAND



MICROSWITCHES MAIN CHARACTERISTICS

Code	AC Insulation voltage rating (***)	Positive operating voltage/current	Current rating	Interrupting rating							AC voltage withstand test (*)	Impulse voltage test Uimp1,2/50 µs (**)	Fumes and smokes grade UL 94
				Current	Non inductive circuit			Inductive circuit : L/R = 25ms					
					30V	110V	250V	30V	110V	250V			
MS 3V 1-5	1000 V	20 V 50 mA	10 A	50/60 Hz	10 A	10 A	10 A	10 A	10 A	10 A	8.5 kV	14 kV	V0
MS 3V 2-5				DC	8 A	0.4 A	0.2 A	4 A	0,2 A	0.1 A	11 kV	12 kV	
MS 7V 1-5	1500 V										12 kV	20 kV	
MS 3V 1-5 BS	1000 V	10 V 10 mA	3 A	50/60 Hz	3 A	3 A	3 A	2 A	1 A	1 A	8.5 kV	14 kV	
MS 3V 2-5 BS											11 kV	12 kV	
MS 3V 1-9 BS				1500 V	DC	3 A	0.5 A	0.25 A	3 A	0.2 A	0.1 A	12 kV	
MS 7V 1-5 BS	12 kV	20 kV											
MS 7V 1-9 BS	12 kV	20 kV											
MC 4L 2-5 B6	1000 V	20 V 100 mA	10 A	AC 50/60 Hz		10 A	7 A		8 A	6 A	9 kV		V0
				DC	5 A	0.5 A			1.6 A	0.3 A			
MC 4L 2-5 B2	1000 V	20 V 100 mA	5 A	AC 50 Hz		5 A	5 A		5 A	5 A	9 kV		
				DC	4 A	0.4 A			2 A	0.4 A			
MC 6,3 GR 2-5 N	1000 V	20 V 100 mA	5 A	AC 50 Hz		5 A	3 A		3 A	2 A			HB
				DC	4 A	0.4 A		3 A	0.4 A				
MC 36 GR 2-5	1000 V	20 V 100 mA	5 A	AC 50 Hz		5 A	5 A		5 A	5 A	7.5 kV		
				DC	4 A	0.4 A		2 A	0.4 A				

* Between power circuit and microswitch terminals according to IEC 60 and 694 and NFC 64010 (50/60 Hz 1 mn duration in dry air).

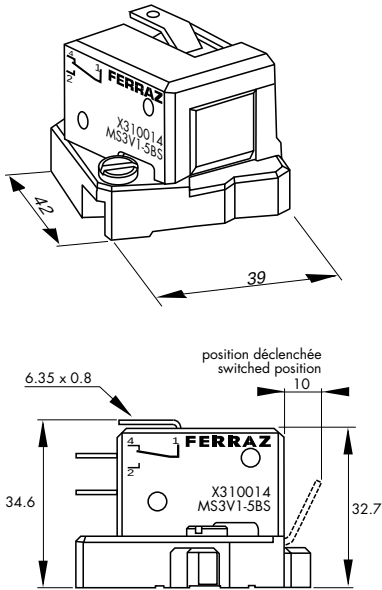
** Between power circuit and microswitch terminals Uimp : impulse voltage according to IEC 947-1.

*** Between power circuit and microswitch terminals

EACH MICROSWITCH WEIGHS LESS THAN 100g, THEREFORE NO FUMES AND SMOKES GRADE IS REQUIRED BY NF F 16-102 STANDARD

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RA 0260 A

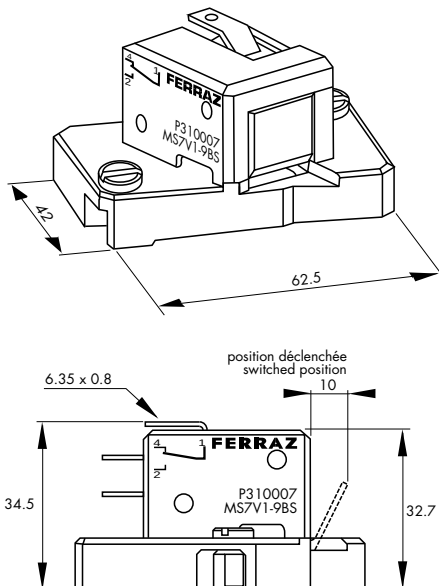
MS 3V...



Fuse size	Code	Part #	Indication style	Weight (g)	Packaging
Sizes 30, 31 32, 33	MS 3V 1-5	X 310014	Single pole NO-NC hand resettable	34	3 pieces
	MS 3V 2-5 (1)	G 310000 (1)	Single pole NO-NC automatically resettable	34	3 pieces
	MS 3V 1-5 BS	W 310013	Single pole NO-NC reliable at low level operating and hand resettable	34	3 pieces
	MS 3V 2-5 BS (1)	H 310001 (1)	Single pole NO-NC reliable at low level operating and auto. resettable	34	3 pieces
	MS 3V 1-9 BS	T 310011	Double pole NO-NC reliable at low level operating and hand resettable	44	3 pieces

(1) Product not shown on the drawing

MS 7V1...

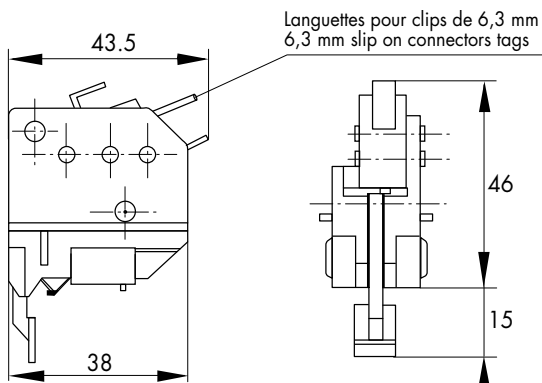


These patented indication systems are exclusively hand resettable.

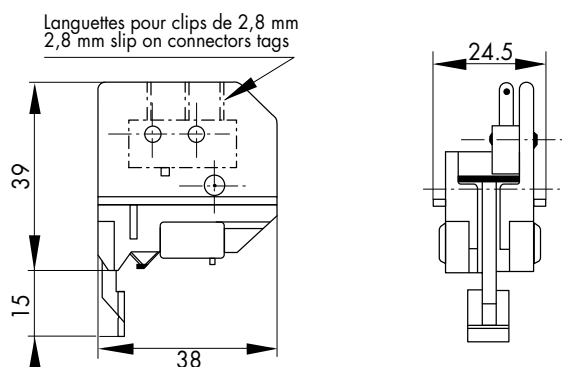
PSC fuse size	Code	Part #	Contact type	Weight (g)	Packaging
Tailles 70, 71 72, 73	MS 7V 1-5	J 310002	Single pole NO-NC	45	3 pieces
	MS 7V 1-5 BS	K 310003	Single pole NO-NC reliable at low level operating	45	3 pieces
	MS 7V 1-9 BS	P 310007	Double pole NO-NC reliable at low level operating	55	3 pieces

The indication systems bulk is the same with one or two NO-NC terminals.

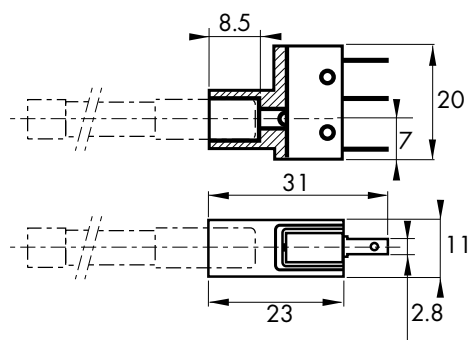
Careful : these microswitches systems are exclusively designed for PSC FERRAZ fuses fitted with a patented trip-indicator saving the use of EDV.



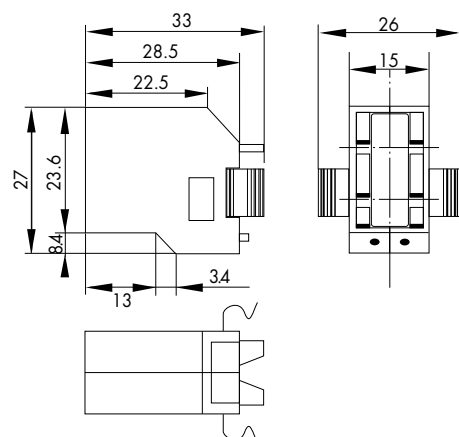
Code	Part #	Weight (g)	Packaging
MC 4L 2-5 B6 for PSC 000 and 00	L 076646	30	3 pieces



Code	Part #	Weight (g)	Packaging
MC 4L 2-5 B2 for PSC 000 and 00	G 076642	23	3 pieces



Code	Part #	Weight (g)	Packaging
MC 6,3 GR 2-5 N with separated trip-indicator	Y 310015	10	3 pieces



Code	Part #	Weight (g)	Packaging
MC 36 GR 2-5 for british standard with built-in trip-indicator Ø 27 and 36	P 092496	10	3 pieces

*All these indications systems are automatically resettable
(return to initial state when fuse is taken apart).
They can be snap-mount on corresponding fuses.*

STUDS FOR THREADED TERMINALS FUSES

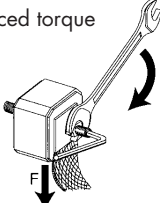
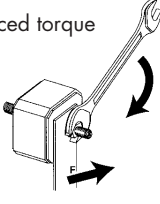
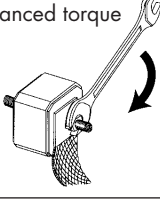
STUDS PAIRS



Type and fuse size	Code	Part #	Unit weight (g)	Packaging
 Sizes 0 and 1 Size 2 Size 3	HC screw pair M8x30 & M8x35	S 098801	23	6 pairs
	HC screw pair M10x30 & M10x50	T 098802	40	6 pairs
	HC screw pair M12x35 & M12x50	V 098803	60	6 pairs
 Size 2 Size 3	HC screw pair M10x50	W 098804	45	6 pairs
	HC screw pair M12x50	X 098805	45	6 pairs

We advise to use FERRAZ studs, the quality of which is adapted to fuses terminals

STUDS MOUNTING

Tightning style	Stud type	Maximum stud tightening torque (Nm) ⁽¹⁾	Maximum nut tightening torque (Nm) ⁽¹⁾
Balanced torque 	M8x30 & M8x35 M10x30 & M10x50 M12x35 & M12x50	13.5 15 15	13.5 26 46
Balanced torque 	M8x30 & M8x35 M10x30 & M10x50 M12x35 & M12x50	13.5 15 15	13.5 26 46
Unbalanced torque 	M8x30 & M8x35 M10x30 & M10x50 M12x35 & M12x50	13.5 15 15	13.5 26 15

(1) Factory limit to apply on torque at 20°C ambient : +0, -2Nm ; excepted on 46Nm value (+0, -4Nm)

FERRAZ

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