Microswitches & Studs

Features/Benefits:

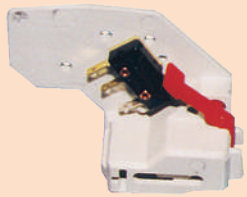
- Microswitch systems adapted to the following fuses:
  - PSC sizes 30, 31, 32, 33 / 70, 71, 72, 73
  - Blade-type PSC (PA) sizes 0-1, 2-3 / 70, 71, 72, 73
  - PSC sizes 000 / 00

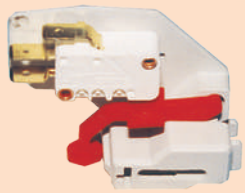
- Highly resistant studs offering optimized connection, excellent electrical contact and high mechanical withstand for stud-style fuses.











Applications Data

Description	AC Volt ***	Positive Operating Volt/ Current	Rated Current	Nature of Current	Interrupting Rating						AC Voltage Withstand Test	Impulse Voltage Test UIMP 1.2/50	FIRE Class UL 94
					Non-Inductive Circuit			Inductive Circuit					
					30V	110V	250V	30V	110V	250V			
MS 3V 1-5	1000 V	20 V	10 A	50/60 Hz	10A	10A	10A	10A	10A	10A	8,5 kV*	14 kV**	H.B.
MS 7V 1-5	1500 V	50 mA	10 A	DC	8A	0,4A	.2A	4A	.2A	.1A	12 kV*	20 kV**	H.B.
MS 3V 1-5 BS	1000 V	10 V	3 A	50/60 Hz	3A	3A	3A	2A	1A	1A	8,5 kV*	14 kV **	H.B.
MS 7V 1-9 BS	1000 V	10 V	3 A	50/60 Hz	3A	3A	3A	2A	1A	1A	8,5 kV*	14 kV **	H.B.
MS 7V 1-5 BS	1500 V	50 mA	3 A	DC	3A	0,5A	0,25A	3A	0,2A	0,1A	12 kV*	20 kV**	H.B.
MS 7V 1-9 BS	1500V	10 mA	3 A	DC	3A	0,5A	0,25A	3A	0,2A	0,1A	12 kV*	20 kV**	H.B.
MS 3V 1-5 ET	1000V	10 V	3 A	50/60 Hz	3A	3A	3A	2A	1A	1A	8.5 kV*	14 kV**	H.B.
MS 7V 1-5 ET	1500V	10 mA	3 A	DC	3A	0.5A	-	2A	0.2A	-	12 kV*	20 kV**	H.B.
MS PA 2-5	1500 V	20 V	10 A	50/60 Hz	10A	10A	10A	10A	10A	10A	9 kV*	13 kV**	VO
MS PA 2-5 B2	1500 V	20 V	5 A	50 Hz	4A	4A	5A	-	5A	5A	12 kV*	16 kV**	VO
MS 4L 2-5 B2	1000 V	100 mA	5 A	DC	-	-	-	-	2A	0,4A	8 kV*	13 kV**	VO
MS 4L 2-5 B6	1000 V	20 V 50 mA	10 A	50/60 Hz DC	10A 8A	10A 0,4A	10A 0,2A	10A 4A	10A 0,2A	10A 0,1A	8 kV*	10 kV**	VO
MC 6,3 GR 2-5N	1000 V	20 V 100 mA	5 A	50/60 Hz DC	- 4A	5A 0.4A	3A -	- 3A	3A 0.4A	2A -	3.5 kV*	-	H.B.
MC 36 GR 2-5	1000 V	20 V 100 mA	5 A	50/60 Hz DC	- 4A	5A 0.4A	5A -	- 2A	5A 0.4A	5A -	7.5 kV*	-	H.B.

* *Between power circuit and microswitch terminals as per IEC 60 and 694 and NFC 64010 (50/60 Hz 1 min. duration in dry air)*

** *Between power circuit and microswitch terminals Uimp: impulse voltage as per IEC 947-1*

*** *Between power circuit and microswitch terminals*

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

MS 3V Fuse Sizes: 30 - 33

Fuse Size	Description	Ref. No.	Indication Style	Weight (g)
30, 31 32, 33	MS 3V 1-5 (fig.1)	X310014	Standard NO-NC	34
	MS 3V 1-5 BS (3)	X310013	Low Level NO-NC	34
	MS 3V 1-9 BS (4)	T310011	Low Level NO-NC	44
	MS 3V 1-5 ET (fig.3)	R310009	Low Level NO-NC	34

(3) Same as fig. 1
(4) Same dimensions as fig. 1 but with 2 microswitches side by side
(9) Watertightness class

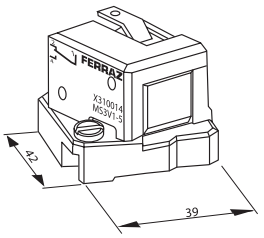


Fig. 1

MS 7V1 Fuse Sizes: 70 - 73

Fuse Size	Description	Ref. No.	Indication Style	Weight (g)
70, 71 72,73	MS 7V 1-5 (fig.4)	J310002	Standard NO-NC	45
	MS 7V 1-5 BS (7)	K310003	Low level NO-NC	45
	MS 7V 1-9 BS (8)	P310007	Double pole NO-NC low level	55
	MS 7V 1-5 ET (fig.5)	S310010	Low level NO-NC	55

(7) Same as fig. 4
(8) Same dimensions as fig. 4 but with 2 microswitches side by side
(9) Watertightness class
Attention: Microswitch systems exclusively designed for Mersen PSC fuses are fitted with a patented trip-indicator, saving the use of an EDV.

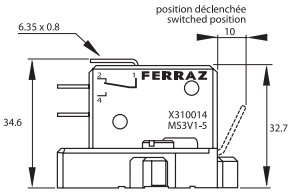


Fig. 2

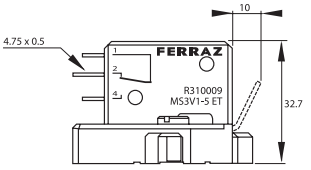


Fig. 3

MS PA Fuse Sizes: 0 - 70

Fuse Size	Description	Ref. No.	Indication Style	Weight (g)
1,2,3	MS PA 2-5	H210158	OF Standard (fig 7)	32.5
71,72,73	MS PA 2-5B2	C210360	OF Terminal 2.8OF	27
70	MS PA 2-5	T210398	Standard (fig 7)	31

Exclusive "MS PA" indication systems are automatically resettable

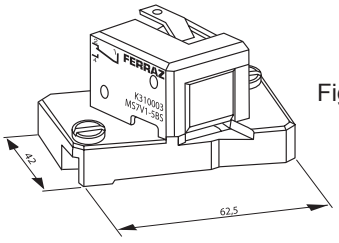


Fig. 4

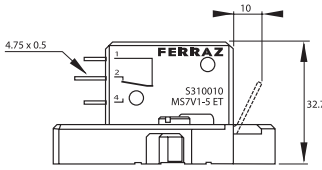


Fig. 5

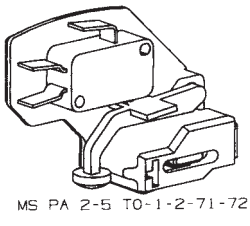


Fig. 7

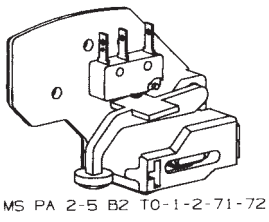
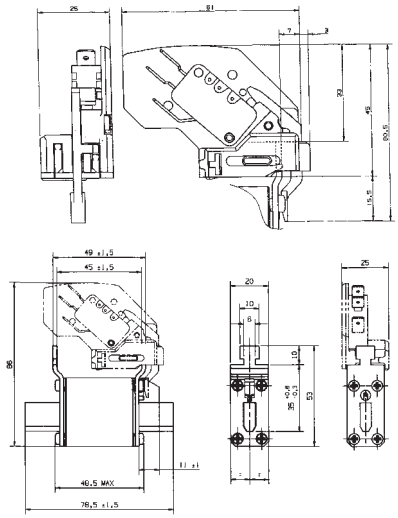


Fig. 8

MS Indication System for 000 & 00 Fuses as per DIN 43653 and DIN 43620 Terminals

Automatically resettable, these microswitch systems indicate fuse presence (PRES) and proper mounting. In case of improper mounting or fuse melting, terminals 1-4 closed.

Catalog Number	Reference No.	Weight (g)
MS 4L 2-5 B6 + PRES (fig. 1) (1)	F210156C	30
MS 4L 2-5 B2 + PRES (fig. 2) (2)	G210157C	26



(1) 6.3mm Clips
(2) 2.8mm Clips

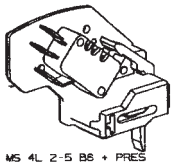


Fig. 1

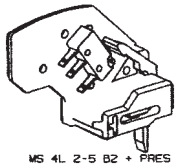
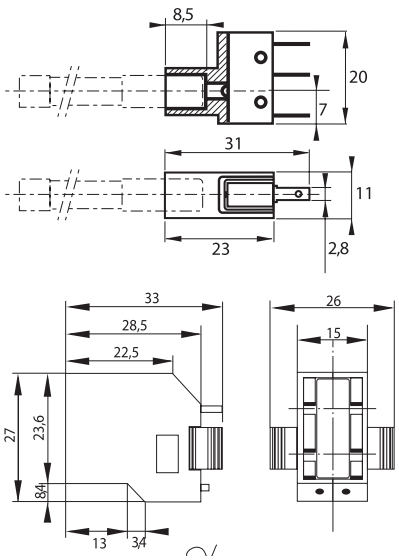


Fig. 2

MC Indication System for BS 88-4 Blown Fuse Trip-Indicator



Catalog Number	Reference No.	Weight (g)
MC 6,3 GR 2-5 N with external trip-indicator	Y 310015	10

Catalog Number	Reference No.	Weight (g)
MC 36 GR 2-5 for British standard fuses with internal indicator 27 and 36	P092496	10