Protistor® Fuse **Microswitches**

CIRCUIT PROTECTION ACCESSORIES

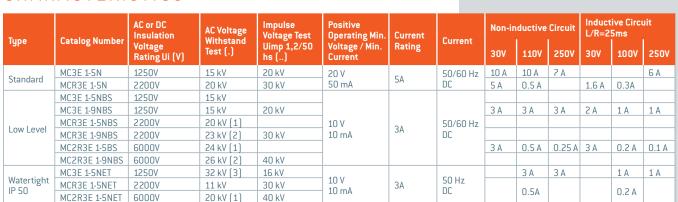
MICROSWITCH SYSTEMS FOR ROUND AND SQUARE-BODY FUSES (NOT FOR PSC FUSES)

The Protistor fuse microswitch is a remote signaling system designed to fit on round and square body Protistor fuses (not for PSC fuses) that are equipped with microswitch support. It indicates fuse status and has a manual reset feature.

FEATURES/BENEFITS:

- Remote signaling systems for fitting on Mersen fuses equipped with microswitch support
- Indication of fuse status
- Manual reset
- Standard and low current models with different insulation ratings
- Watertight types for use in corrosive atmospheres





Catalog numbering system: MC3E 1-5 single pole microswitch - MC3E 1-9 double pole microswitch -MCR, MC2R reinforced insulation microswitch

EACH MICROSWITCH WEIGHS LESS THAN 100g, THEREFORE NO FUME AND SMOKE GRADE IS REQUIRED BY NF F16-102 STANDARD

(1) for short body fuses (sizes 30 - 31 - 32 - 33 - 70 - 71 - 72 - 73 - 83 - 84) Except PSC





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

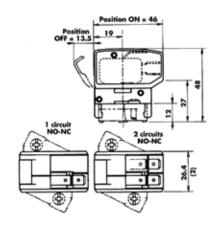
Between power circuit and microswitch terminals Uimp: impulse voltage according to IEC 947-1

Between power circuit and microswitch terminals

⁽²⁾ for sizes 100 - 91 - 92 - 93 - 94 - 123 - 124 fuses and longer

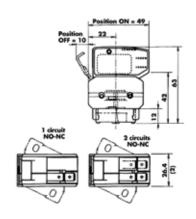
⁽³⁾ for sizes 171 - 172 - 173 - 174 fuses and longer

REMOTE SIGNALING WITH 1250 VAC/DC INSULATION VOLTAGE



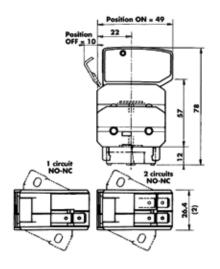
Quantity of NO-NC separated circuits	Contact	Catalog Number	Ref. Number	Weight (g)	Pack. (1)
1	standard	MC3E 1-5N	D310020	39.5	3
1	low level	MC3E 1-5NBS	E310021	39.5	3
2	low level	MC3E 1-9NBS	F310022	45.7	3
1	watertight	MC3E 1-5NET	L310027	40.2	3

REMOTE SIGNALING WITH INSULATION VOLTAGE UP TO 2200VAC/DC



Quantity of NO-NC separated circuits	Contact	Catalog Number	Ref. Number	Weight (g)	Pack. [1]
1	standard	MCR3E 1-5N	G310023	51.7	1
1	low level	MC3RE 1-5NBS	P310030	51.7	1
2	low level	MCR3E 1-9NBS	H310024	58.0	1
1	watertight	MCR3E 1-5NET	Q310031	52.5	1

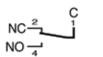
REMOTE SIGNALING WITH INSULATION VOLTAGE UP TO 6000VAC/DC



Spectrum:

Quantity of NO-NC separated circuits	Contact	Catalog Number	Ref. Number	Weight (g)	Pack. (1)
1	low level	MC2R3E 1-5NBS	J310025	64.0	1
1	watertight	MC2R3E 1-5NET	N310029	64.8	1
2	low level	MC2R3E 1-9NBS	K310026	70.3	1

ELECTRICAL DIAGRAM OF EACH MICROSWITCH CIRCUIT



Non-blown fuse Microswitch ON



Blown fuse Microswitch OFF All of these signaling systems are resettable and fitted with silver-plated 3-terminal microswitch C, NO and NC. The C terminal is on the top and connection is made via 6.35 mm clips except for watertight models whose clips are 4.8 mm wide

NOTE (2): The 26.4 dimension is the same with 1 or 2 separated circuits NO-NC. Tests with sine vibrations carried out at ambient with scanning of the three main holder axes.

: 1st segment (2 to 16 Hz) constant trip x = 5 mm peak. 2nd segment (16 to 250 Hz) constant acceleration y + 5 g peak Exponential scanning speed: 1 octave per minute. Duration: 2 hours per axis.