

General Purpose Enclosed Switch

Features

- Enclosed Switches are with High Breaking Capacity and High Durability
- Two mount methods include side and diagonal side.
- Terminals face the front when the cover is removed for easy connection
- Approved by EN(TUV), UL, CSA, CCC.

Characteristics

Degree of protection		IP65
Rating	IEC 60947-5-1	250V AC / 10A
	UL508	480V AC / 15A
		0.5A / 125V DC, 0.25A / 250V DC
		1/8HP/120V AC, 1/4HP/240V AC, 1/2HP / 480V AC
Durability	Mechanical	10,000,000 operations min.
	Electrical	5,000,000 operations min. for 15A 250V AC resistive load
Operating Speed		0.01mm/s~0.5m/s Plunger Type 0.02~0.5m/s Lever Type
Operating Frequency	Mechanical	120 operations /min.
	Electrical	20 operations /min.
Rated Frequency		50/60Hz
Insulation Resistance		100MΩ min. (at 500V DC)
Contact Resistance		15mΩ max (initial value)
Terminal Temperature Rise		50°C max.
Dielectric Strength	Between terminals of same polarity	1,000V AC 50/60Hz for 1min
	Between current-carrying metal parts and ground	2,000V AC 50/60Hz for 1min
	Between each terminal and non-current-carrying metal part	2,000V AC 50/60Hz for 1min
Degree of protection against electric shock		Class II
Vibration Resistance	Malfunction	10~55Hz 1.5mm double amplitude
Shock Resistance	Destruction	1,000m/s ² min.
	Malfunction	100m/s ² min. 50m/s ² min.
Ambient operating temperature range		-10°C ~ +80°C with no icing
Ambient operating humidity range		35% ~ 85% RH

Notes:

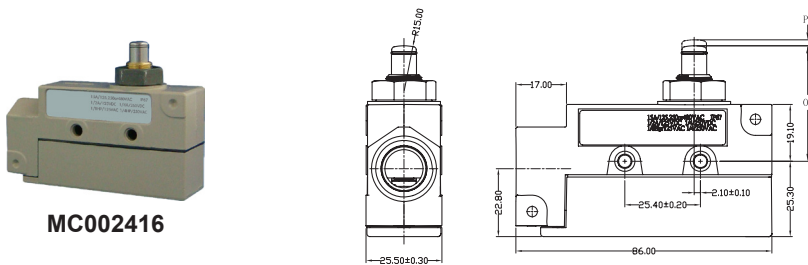
1. Above values of these characteristics are initial values.
2. Above values of these characteristics may be depending on different models.
3. Above durability is for an ambient temperature of 5 to 35°C and ambient humidity of 40% to 70%.

General Purpose Enclosed Switch **multicomp**

Operating Characteristics

Part Number	Operating Force (Max.)	Release Force (Min.)	Pre Travel (Max.)	Over Travel (Min.)	Movement Differential (Max.)	Operating Position
MC002416	2.45 ~ 3.43N	1.12N	0.4mm	5.5mm	0.05mm	38.2 ± 0.8mm
MC002417	7.85N	2.35N	2mm	5mm	0.1mm	45.8 ± 0.8mm
MC002418	2.45 ~ 3.43N	1.12N	0.5mm	3.6mm	0.05mm	49.7 ± 1mm
MC002419	2.45 ~ 3.43N	1.12N	0.5mm	3.6mm	0.05mm	49.7 ± 1mm
MC002420	6.28N	2.26N	5mm	6mm	0.4mm	-

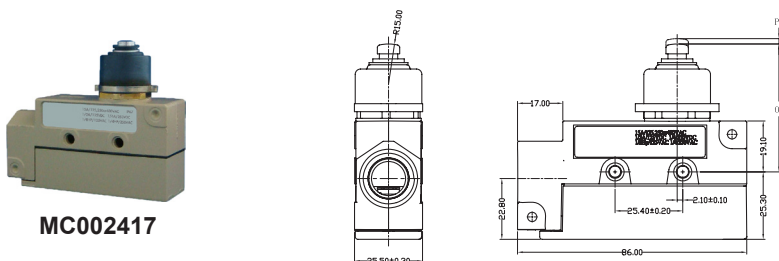
Standard Plunger



MC002416

Weight: 158g

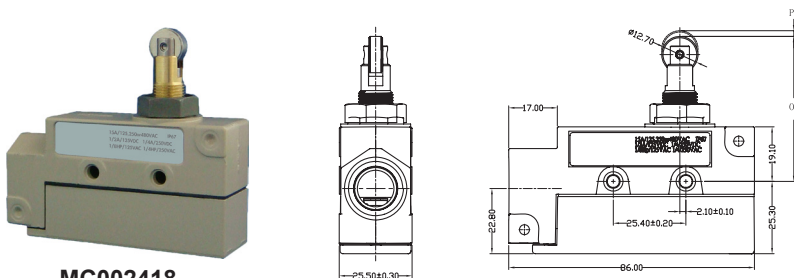
Sealed Plunger



MC002417

Weight: 181.6g

Standard Roller Plunger



MC002418

Weight: 166.6g

Dimensions : Millimetres

www.element14.com
www.farnell.com
www.newark.com

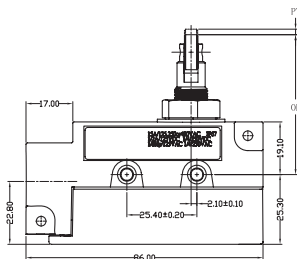
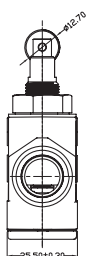
multicomp

General Purpose Enclosed Switch **multicomp**

Standard Crossroller Plunger



MC002419

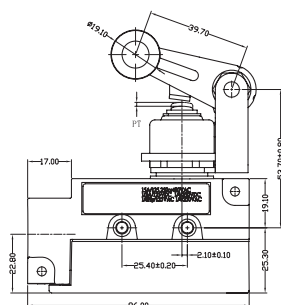
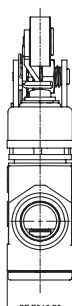


Weight: 164.8g

Roller Arm Lever



MC002420



Weight: 249.2g

Dimensions : Millimetres

Part Number Table

Description	Part Number
General Purpose Enclosed Switch (IP65), Standard Plunger, Screw Terminal	MC002416
General Purpose Enclosed Switch (IP65), Sealed Plunger, Screw Terminal	MC002417
General Purpose Enclosed Switch (IP65), Standard Roller Plunger, Screw Terminal	MC002418
General Purpose Enclosed Switch (IP65), Standard Crossroller Plunger, Screw Terminal	MC002419
General Purpose Enclosed Switch (IP65), Roller Arm Lever, Screw Terminal	MC002420

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell Limited 2016.