

Control Stations - Plastic Emergency Stop

multicomp PRO

**RoHS
Compliant**



Control Stations Characteristics

Reference standard	IEC 60947-5-1, EN 60947-5-1, IEC 337-1, UL 508, CSA C-22-2 n° 14
Protection degree	IP 65 / IP 66 (as per IEC), NEMA 4/4X (special version)
Ambient temperature	-40°C to +70°C (storage) -25°C to +70°C (operation)
Vibration resistance	15g (40 to 500Hz) conforming to IEC 68-2-6
Shock resistance	Push buttons : 70g Mushroom head push buttons : 15g Selector switches : 200g Conforming to IEC 68-2-27
Material and colour	Thermoplastic - grey lid and black base for 1, 2, 3, 4 way, yellow lid and black base for one way Aluminium die-cast - grey lid and dark grey base
Cable entry	Knock-outs provided

General Characteristics

Products	Push buttons, selector switches, latching mushroom head push buttons, pilot lights and illuminated push buttons
Reference standard	IEC 947-5-1/EN 60947-5-1, UL 508, CSA C-22-2 n° 14
Protection degree	IP 65 according to IEC 947-1
Pollution degree	3
Temperature	-40°C to +70°C (storage) -25°C to +70°C (operation)
Vibration Resistance	Mushroom head push buttons: 8gn Other push buttons and pilot lights: 15 g (40 to 500 Hz) conforming to IEC 68-2-6
Shock resistance	Push buttons : 70gn Mushroom head push buttons : 15gn Selector switches : 200gn Conforming to IEC 68-2-27
Working position	All working positions are allowed
Mechanical life	Push buttons and selector switches 1 million operations, emergency mushroom push buttons 300,000 operations

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO

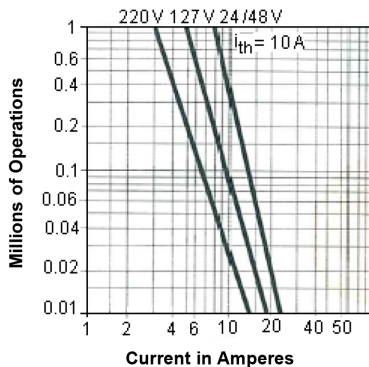
Control Stations - Plastic Emergency Stop

multicomp PRO

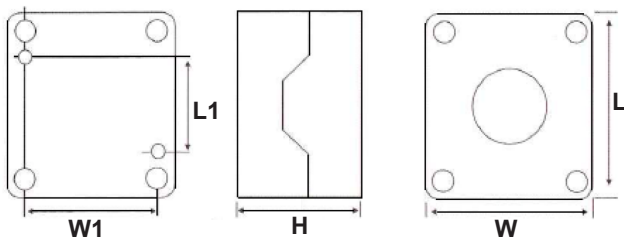
Contact Elements Characteristics

Rated Thermal Current	I_{th} 10 A
Rated Insulation Voltage	U_i 500V conforming to IEC 947, UL 508 and CSA 22-2 n° 14
Insulation Category	Group C conforming to NF C 20-040, VDE 0110
Operating Force	Push buttons - 1 "NO" = 10 N, 1 "NC" = 8 N Additional contacts- "NO" = +5 N, "NC" = +3 N
Dielectric Strength	2.5KV for 1 minute
Insulation Resistance	2M Ω minimum (500V DC)
Initial Contact Resistance	$\leq 25m\Omega$
Short Circuits Protection	10A 500V, cartridge fuse gI or N conforming to IEC 337-1
Terminal Reference	Conforming to CENELEC EN 50013
Connections	On screw with non losable plate lamp Sec, 2.5mm ² maximum (14 AWG)
Contact Operation	Self cleaning type, slow action, positive opening
Operation frequency	3,600 operations per hour
Utilization category	AC 15 (DC 13)
Rated power Conforming to IEC 947-5-1 Load factor: 0.5 AC supply (50/60 Hz)	DC supply Power broken in watts for 1 million operations Voltage : 24V 48V 120V Inductive Load : 65W 48W 40W

Rated Curve



Diagram



	Plastic 1 Hole Inches (mm)	Metal 1 Hole Inches (mm)
H	2.1 (51)	2.1 (51)
W	2.68 (68)	2.68 (68)
L	2.91 (74)	2.91 (74)
W1	2.13 (54)	2.13 (54)
L1	1.5 (38)	1.31 (46)

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO

Control Stations - Plastic Emergency Stop

multicomp PRO

AC Ratings, Inductive - NEMA A600

35% Power Factor

Volts	Make Amperes	VA	Break Amperes	VA	Continuous Carrying Amperes	Resistive 75% Power Factor Make, Break and Continuous Amperes
120	60	7,200	6	720	10	10
240	30		3			
480	15		1.5			
600	12		1.2			

DC Ratings, NEMA Type Q600

Inductive and Resistive

Volts	Make and Break	Continuous
125	55	2.5
250	0.27	
600	0.1	

Part Number Table

Description	Part Number
22mm Switches Box EM Stop Twist	RC1PYBS542
22mm Switches Box EM Stop Key	RC1PYBS142

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET 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 Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO