Tactile switches

Order code	Manufacturer code	Description
78-0650	3CTL6S	RA3CTL6 IP67 TACTILE SWITCH-FLAT RC
78-0655	3FTL6S	RA3FTL6 TACTILE SWITCH (FOR CAPS) RC
78-0660	1D09	1D09 BLACK CAP FOR 3FTL6 SWITCH (RC)
78-0665	n/a	1D00 BLUE CAP FOR 3FTL6 SWITCH (RC)
78-0670	1D03	1D03 GREY CAP FOR 3FTL6 SWITCH (RC)
78-0675	1D08	1D08 RED CAP FOR 3FTL6 SWITCH (RC)

The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.

Sales: 01206 751166
Sales@rapidelec.co.uk
Technical: 01206 835555
Tech@rapidelec.co.uk
Fax: 01206 7551188
www.rapidelectronics.co.uk

multimec® technical specifications

RoHS Compatible

	Low Temperature Versions		High Temperature Versions	
	Silver	Gold	Silver	Gold
Electrical Specifications				
Contact resistance	<30 m Ω - typically 10m Ω			
Insulation resistance	>10M Ω			
Recommended load	0.5-50mA 24VDC	0.5-50mA 24VDC	0.5-50mA 24VDC	0.5-50mA 24VDC
Contact bounce	<2mS - typically 0.5mS			
Mechanical Specifications				
Standard actuation force (switch)	3.0N typ.			
Max. actuation force without cap	100N for 10 sec.			
Key travel (switch)	1 mm			
Life time (switch)	>10.000.000 cycles			
Temperature Range				
Working temperature	Min. -40°C Max. +115°C		Min. -40°C Max. +160°C	
Storage temperature	Min. -40°C Max. +115°C		Min. -40°C Max. +160°C	
Soldering IEC 68-2-20	Wave -max. 260°C for max. 10 sec., please refer to usage guidelines		Infrared, vapour phase, wave - max. 245°C for max. 40 sec. or max. 260°C for max. 30 sec.	
	Soldering iron - max. 350°C for max. 3 sec. Flux tight.		Soldering iron - max. 350°C for max. 3 sec. Flux tight.	
Environmental Endurance IEC-68-2-3				
Temperature	+40°C			
Humidity	93% RH			
Duration	56 Days			
Temperature Cycling IEC 68-2-14				
Temperature limit	Min. -40°C - Max. +125°C			
Number of cycles	10			
Exposure time at each temperature	30 min.			
Recovery time before measurements	16 hrs.			
Sealing IEC 529	IP-67			
Cleaning	Standard methods - see usage guidelines			
Material Specifications - Switches				
Housing	PBT UL94VO		PPS UL94VO	
Actuator	PBT UL94VO		PPS UL94VO	
Sealing + spring	Silicone rubber			
Contact spring	Stainless steel +3µAg	Stainless steel +3µAg + 1µAu	Stainless steel +3µAg	Stainless steel +3µAg + 1µAu
Fixed Contacts	SnCu + 2µNI + 3µAg	SnCu + 2µNI + 3µAg+1µAu	SnCu + 2µNI + 3µAg	SnCu + 2µNI + 3µAg+1µAu
Terminals	SnCu + 2µNI + 3µSn100	SnCu + 2µNI + 3µSn100	SnCu + 2µNI + 3µSn100	SnCu + 2µNI + 3µSn100

Material Specifications - Caps & Bezels

Material	Parts	Temp limit	UL rating
ABS Standard	Standard parts except the below mentioned	Max 65°C	UL94HB
Polycarbonate	All lenses	Max. 85°C	UL94V1
LCP	Actuator of 3E	Max. 160°C	UL94VO
PPS	1S, 2S	Max. 160°C	UL94VO
Polyamide	Actuator of Varimec , 1GA / 1GC	Max. 160°C	UL94VO
Legends Adhesion	ISO Class.: 1/ ASTM Class.: 4B		
	DIN EN ISO 2409		

Specifications are subject to change without notice

mec a/s june 2005

mec Industriparken 23 · P.o. Box 26 · DK-2750 Ballerup · Denmark
Tel.: +45 44 97 33 66 · Fax: +45 44 68 15 14 · E-mail: danmec@mec.dk · www.mec.dk.