



Wide variety of actuators
Completely sealed body
40mm and 50mm sizes
10A to 21A @ 250 Vac
DC versions available

(III.)



ELECTRICAL COMPONENTS











The TM and TMV series of high precision micro switches features a wide variety of actuators to suit most high-speed switching applications.

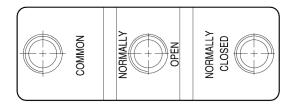
Available from stock at ITC, the TM and TMV series switches have a high switching capacity - 10A to 21A at 250Vac in a reliable thermoplastic housing. These switches may be installed in a wide range of applications from simple or precision on/off limits, presence/absence sensing, or embedded in pressure or temperature assemblies.

Features and Specifications

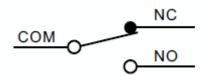
		TMV Series	TM Series (General Purpose & Sealed)						
Operating speed		0.01mm to 1m/s (push button type)							
Operating	Mechanical	240 operations/minute							
frequency	Electrical	20 operations/minute							
Insulation resista	ance	100mΩ minimum (at 500Vdc)							
Contact resistan	ce	15mΩ maximum							
Connection (NO,		.250x.032" quick connect tabs	Screw connection						
Rated voltage/cu	urrent	10A / 16A / 21A (see page 5)	15A						
Dielectric	Non-contiguous terminals	1,000Vac, 50/60Hz for 1 minute							
strength	Between non-contiguous terminals	2,000Vac, 50/60Hz for 1 minute							
Shock	Mechanical durability	10m/sec ² (approx. 100G's)							
SHOCK	Malfunction	3m/sec ² (approx. 30G's)							
Expected life	Mechanical	20,000,000 operations minimum							
Expected life	Electrical (1.7A, 110V)	100,000 operations minimum	500,000 operations minimum						
Ambient temper	ature	-25 to 65° C	-25 to 80° C; Sealed -15 to 80°						
Ambient humidit	ty	85% RH maximum	85% RH max; Sealed 95% RH max						
Weight		~8g ~22 to 58g							
Approvals		cURus (UL 508 and CSA 22.2 NO. 14-13)							

Information subject to change without notice

Screw terminals diagram (TM series):

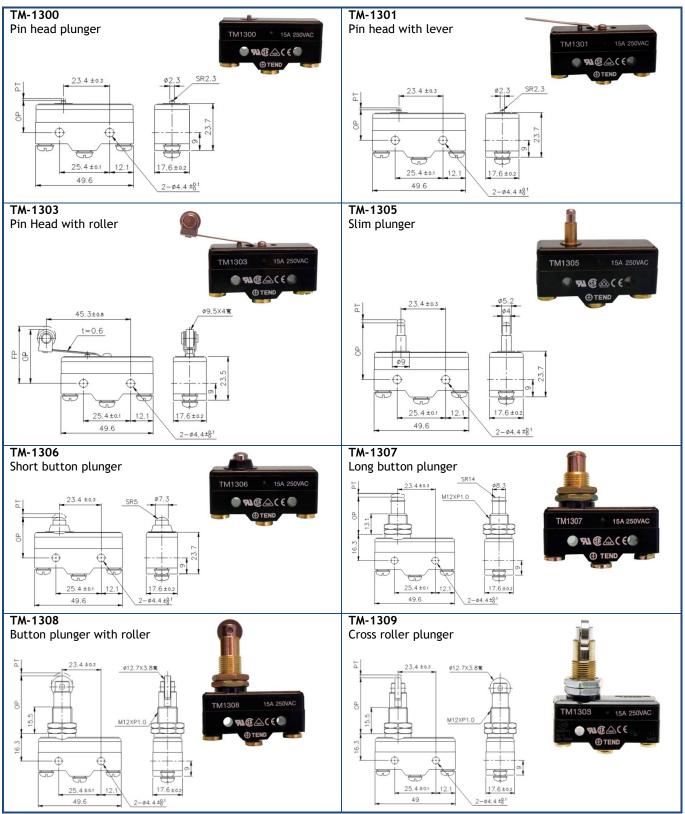


Contact Configuration:





TM Micro Switch 1300 Series

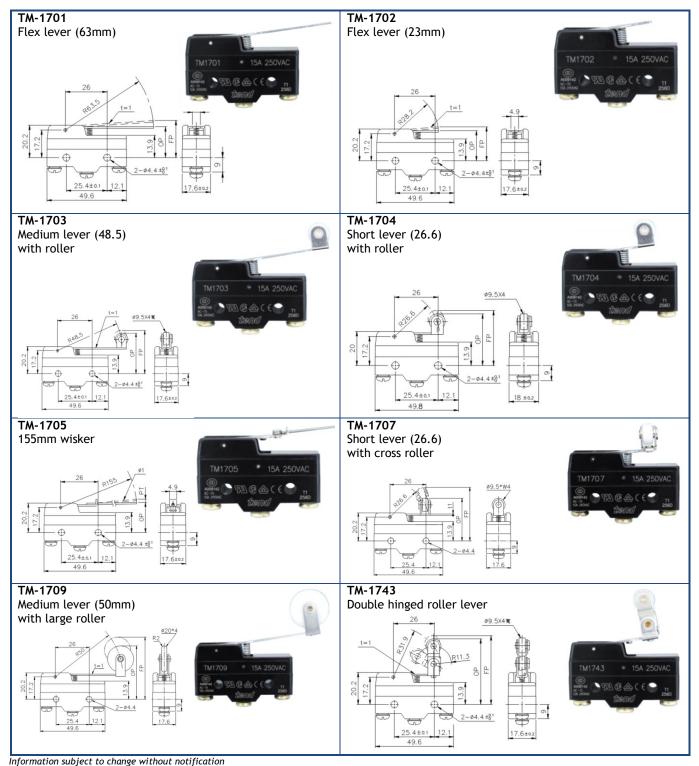


Information subject to change without notification



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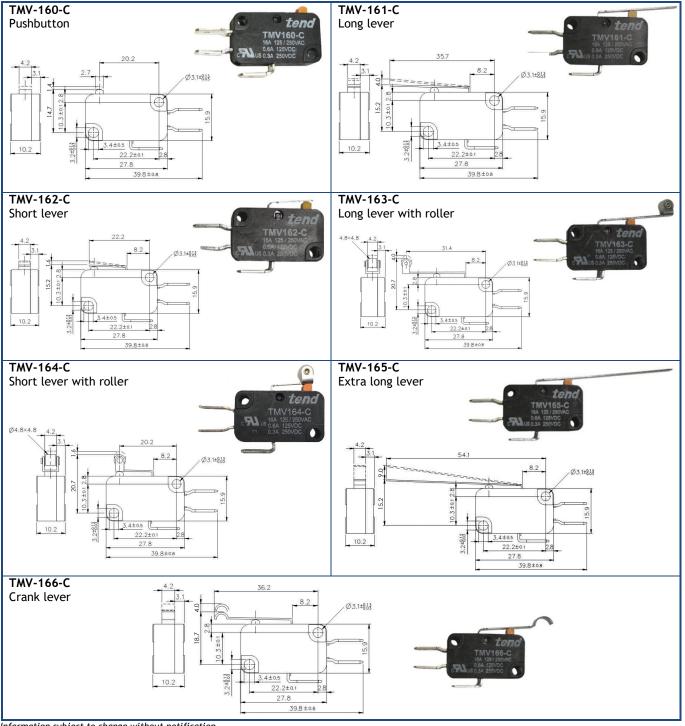
TM Micro Switch 1700 Series



 Completely sealed versions of the TM-1700 series are available with the addition of '-1' at the end of the part number i.e. TM-1701 becomes TM-1701-1.



TMV Compact Micro Switches



Information subject to change without notification

10A and 21A versions of the TMV series are available (TMV-10x-C & TMV-21x-C).

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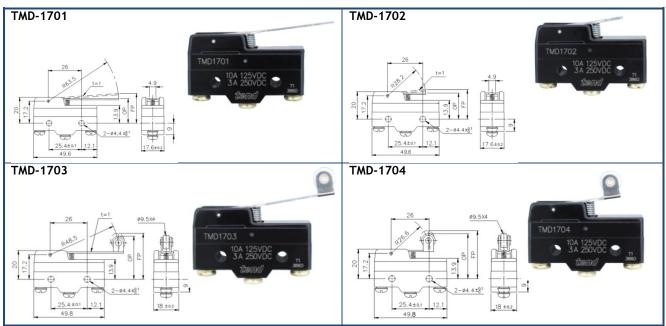


TMD Direct Current Micro Switches

Features and Specifications

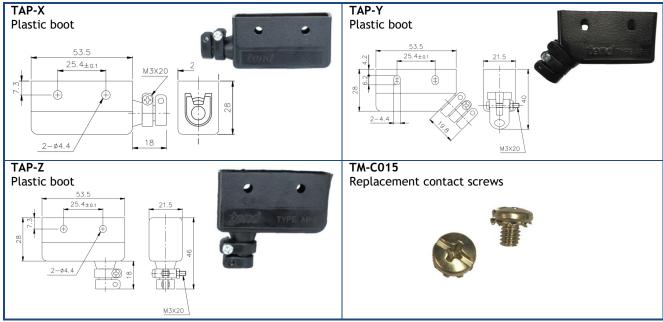
	TMD Series
Dielectric strength	1,500Vac, 50/60Hz for 1 minute
Ambient temperature	-25 to 80° C
Weight	Approximately 27 - 36g

(the same as on page 2, except where listed above)



Information subject to change without notification

Accessories for TM Series^



[^] for TM and TMD series, not suitable for TMV series; Information subject to change without notification



NOTES

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ITC E				 416.663.7223 www.itcproducts.com 50 Mural St Unit 8 Richmond Hill, ON L4B 1E4 						
DIN Rail	DIN Rail Accessories	Non-Metallic Enclosures	Hinged Enclosures	Thermal Management	PANEL Lighting					
Multipole Connectors	Compact IP68 Connectors	Terminal Blocks	Terminal Strips	22.5mm Pushbuttons	LED Indicators					
Control Stations	kinit Switches	Kicro Limit Switches	Safety Switches	Foot Switches	Circuit Breakers					
IEC Contactors	isconnect Switches	Midget and CC Fuse Holders	Tower Lights	Power Continuity	Ferrules					
Colour Coded Lugs	Frimp Terminals	Termination Kits	Cable Glands	Contraction of the second seco	Cable Entry Systems					
Wire Management	DIN Rail Cutters	Assembly Tables	Cutting & Stripping	Crimping Tools	Hole Cutting & Punching Tools					
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