





- Sub miniature only 20.2 x 10.2 x 10.6mm
- · High switching capacity 60W, 125VA
- · DIL Pitch PCB mounting
- High sensitivity polarised & latching coils
- Bifurcated (crossbar) contacts

RoHS Compliant Single side stable **Contacts** Ordering Code - single side stable type DPDT (2 Changeover); 2 Form C Contact arrangement D T C 3 - 8 2 1 2 - 8 5 - S 0 0 5 Contact material Ag + Au plated (2um) Max. switching voltage AC/DC 250VAC, 220VDC Min. switching current / voltage 1mA/1VDC <u>Series</u> Coil code: Rated load (resistive - $\cos \varphi = 1$) AC1 0.5A / 120VAC See table1 DC1 2A, 30VDC Contact material 125VA / 60W 82: Ag + Au plate (2um) Max. switching power Initial resistance ≤ 50mΩ, max. at 0.1A/6VDC Coil Contact arrangement DC 3...48V 12: DPDT (2 C/O) Rated voltage Must release voltage ≥0.05U_n Operating range See table 1 Environmental protection DC See table 1 Rated power consumption 8: In cover, sealed IP64 Insulation Insulation resistance ≥1000MΩ at 500VDC, 50%RH Mounting & terminations 5: For PCB Dielectric strength coil to contact 1000Vrms, 1min contact to contact 1000Vrms, 1min General Data Operating time typ. ≤ 4.5ms Release time typ. ≤ 1.5ms Electrical life (resistive) ops. 1 x 10⁵ (2A/30VDC), 5 x 10⁵ (1A/24VDC) Mechanical life ops 1 x 108 **Environmental** Ambient temperature operating -40 to 90°C (80°C for 48VDC coil) storage -40 to 90°C Shock resistance functional 98m/s² 11ms (10g) NB: Single side stable relays have a black case (as photo) destructive 980m/s² 6ms (100g) Vibration resistance functional 10-55Hz DA, 1.5mm destructive 10-55Hz DA, 5mm Dimensions LxWxH 20.2 x 10.2 x 10.6mm Weight approx. ≤ 4.8g

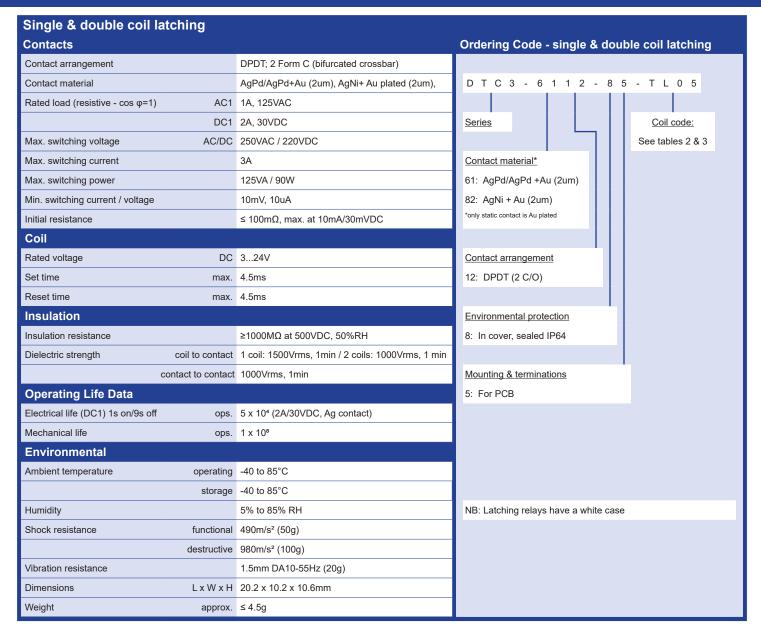
DTC3 112123JHM

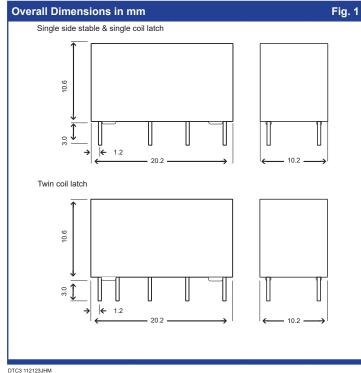
Specifications are subject to change without notice. E&OE.

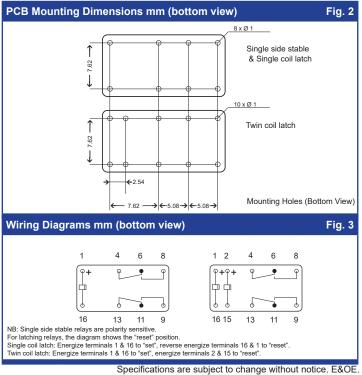


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DTC3 Series Sub Miniature PCB Signal Relay







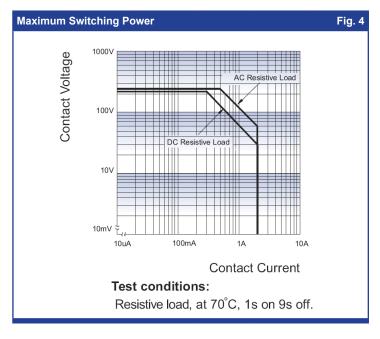


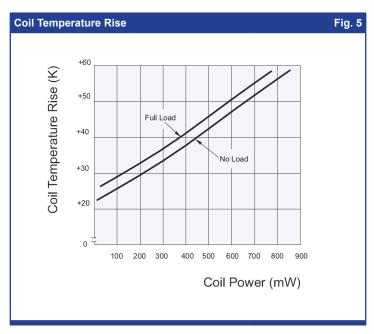
DTC3 Series Sub Miniature PCB Signal Relay

Coil Data - Single Side Stable Table 1								
Coil code	Nominal voltage (VDC)	Coil Resistance (Ω) ±10%	Power consumption (mW)	Must operate voltage max. (VDC)	Must release voltage min. (VDC)	Max. allowable Voltage (VDC)		
S003	3	60	150	2.1	0.15	7.5		
S005	5	167	15	3.5	0.25	12.5		
S009	9	540	150	6.3	0.45	22.5		
S012	12	960	150	8.4	0.6	30.0		
S024	24	2880	150	16.8	1.2	52.9		
S048	48	7680	300	33.6	2.4	84.9		

Coil Data - Single Coil Latch (sensitive) Table 2								
Coil code	Nominal voltage (VDC)	Coil Resistance (Ω) ±10%	Set / Reset Voltage. (VDC)	Max. allowable Voltage (VDC)				
SL03	3	60	2.4	6.9				
SL05	5	330	4.00	16.0				
SL09	9	1080	7.20	29.0				
SL12	12	1920	9.60	34.0				
SL15	15	3000	12.0	43.0				
SL24	24	7680	19.2	78.0				

Coil Data - Twin Coil Latch (sensitive)							
Coil code	Nominal voltage (VDC)	Coil Resistance (Ω) ±10%	Set / Reset Voltage (VDC)	Max. allowable Voltage (VDC)			
TL03	3	60	2.4	6.9			
TL05	5	167	4.0	11.5			
TL09	9	540	7.2	20.8			
TL12	12	960	9.6	27.7			
TL15	15	1500	12.0	34.6			
TL24	24	3840	19.2	55.4			





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