







Opto Isolators for Safety Applications (e. g. VDE 0884)

Package	Part Number	Characteristics								
		V_{IO} V_{IOTM}	CTR $I_F=10\text{ mA}$ %	$V_{(BRCEO)}$ $I_C=1\text{ mA}$ V	V_{CEsat} @ I_F and I_C		t_{on} / t_{off} @ I_F $R_L=100\ \Omega$			
					V	mA	mA	μs	mA	
6-pin Opto Isolators – with Transistor Output										
 6-pin DIP	4N25(G)V ^{1,6)}	6000	100 (> 20)	> 32	< 0.5	50	2	4	10	
	4N35(G)V ^{1,6)}		150 (> 100)	> 70	< 0.3	10	0.5	10	2	
– No Base Connection										
 6-pin DIP	TCDT1110(G) ⁶⁾	6000	150 (> 100)	> 70	< 0.3	10	0.5	10	2	
– With CTR Ranking										
 6-pin DIP	CQY80N(G) ^{1,6)}	6000	90 (> 50)	> 32	< 0.3	10	1	9	5	
	CNY17(G)-1 ^{1,6)}		40–80							
	CNY17(G)-2 ^{1,6)}		63–125							
	CNY17(G)-3 ^{1,6)}		100–200							
– No Base Connection and CTR Ranking										
 6-pin DIP	TCDT1100(G) ⁶⁾	6000	90 (> 50)	> 32	< 0.3	10	1	9	5	
	TCDT1101(G) ⁶⁾	6000	40–80	> 32	< 0.3	10	1	9	5	
	TCDT1102(G) ⁶⁾	6000	63–125	> 32	< 0.3	10	1	9	5	
	TCDT1103(G) ⁶⁾	6000	100–200	> 32	< 0.3	10	1	9	5	
– With CTR Ranking and High Output Voltage										
 6-pin DIP	CNY75(G)A ^{1,6)}	6000	63–125	> 90	< 0.3	10	1	4	10	
	CNY75(G)B ^{1,6)}		100–200					6		
	CNY75(G)C ^{1,6)}		160–320					7		
– No Base Connection										
 6-pin DIP	TCDT1120(G) ⁶⁾	6000	> 40 (63)	> 90	< 0.3	10	1	4	10	
	TCDT1122(G) ⁶⁾		63–125					5		
	TCDT1123(G) ⁶⁾		100–200					6		
	TCDT1124(G) ⁶⁾		160–320					7		

¹⁾ Water-proofed construction: Suitable for cleaning process with pure water. For your orders, attach "S" to the order number (e.g. 4N25(G)VS).

⁶⁾ Order "G" devices, e.g., TCDT1120G with wide-spaced 0.4" lead form, for 8 mm pc board spacing safety requirements!