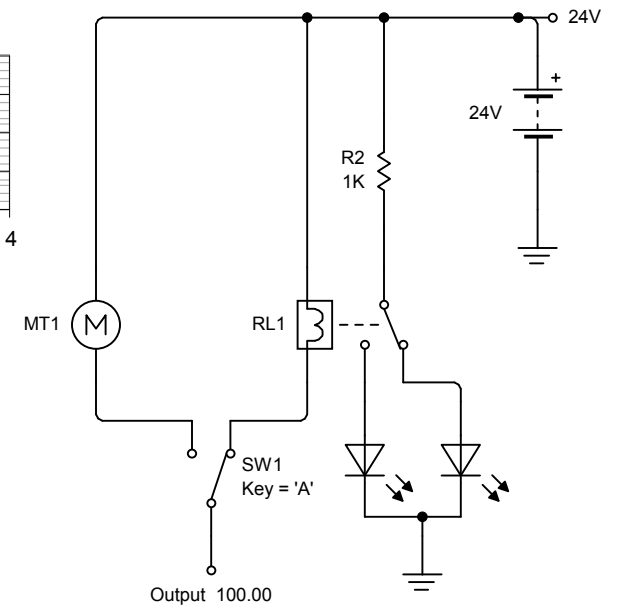


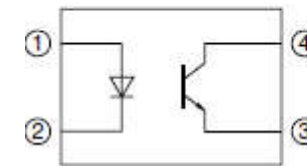
**Manejador de corriente con BJT salida colector abierto.  
Adaptador +24Vcd input to TII logic**



## Electro-optical Characteristics

( $T_a=25^\circ\text{C}$ )

	Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Input	Forward voltage	$V_F$	$I_F=20\text{mA}$	—	1.2	1.4	V
	Peak forward voltage	$V_{FM}$	$I_{FM}=0.5\text{A}$	—	—	3.0	V
	Reverse current	$I_R$	$V_R=4\text{V}$	—	—	10	$\mu\text{A}$
	Terminal capacitance	$C_t$	$V=0, f=1\text{kHz}$	—	30	250	pF
Output	Collector dark current	$I_{CEO}$	$V_{CE}=50\text{V}, I_F=0$	—	—	100	nA
	Collector-emitter breakdown voltage	$BV_{CEO}$	$I_C=0.1\text{mA}, I_F=0$	*5 80	—	—	V
	Emitter-collector breakdown voltage	$BV_{ECO}$	$I_E=10\mu\text{A}, I_F=0$	6	—	—	V
Transfer characteristics	Collector current	$I_C$	$I_F=5\text{mA}, V_{CE}=5\text{V}$	2.5	—	30.0	mA
	Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_F=20\text{mA}, I_C=1\text{mA}$	—	0.1	0.2	V
	Isolation resistance	$R_{ISO}$	DC500V, 40 to 60%RH	$5 \times 10^{10}$	$1 \times 10^{11}$	—	$\Omega$
	Floating capacitance	$C_f$	$V=0, f=1\text{MHz}$	—	0.6	1.0	pF
	Cut-off frequency	$f_c$	$V_{CE}=5\text{V}, I_C=2\text{mA}, R_L=100\Omega, -3\text{dB}$	—	80	—	kHz
	Response time	Rise time	$V_{CE}=2\text{V}, I_C=2\text{mA}, R_L=100\Omega$	—	4	18	$\mu\text{s}$
		Fall time		—	3	18	$\mu\text{s}$



- ① Anode
- ② Cathode
- ③ Emitter
- ④ Collector

\*5 From the production Date code "J5" (May 1997) to "P7" (July 2002), however the products were screened by  $BV_{CEO} \geq 70\text{V}$ .