

R7-T2x

8-pin, miniature industrial relay, 2-pole, change-over contact, faston
Relay approval: EN 60077-1-2/99 - EN 61373/99 for Railway application



Type	R7-T2x/DC ... V Railway application Sensitive, 2 change-over contact		
Maximum contact load	6 A 250 V AC1		6 A 30 V DC1
Recommended minimum contact load	5 mA/5 V Code 1 1 mA/5 V Code 2		

Contacts			
Material	Standard	Code 1	AgNi + 0,2µ Au
	Optional	Code 2	AgNi + 10µ Au
Rated current	6 A		
Switch-on current max. (20 ms)	15 A		
Switching voltage max.	250 V		
AC load	see fig. 1		
DC load	see fig. 2		

Coil	
Coil resistance	see table; tolerance ± 10 %
Contact open	0,7 U _N ... 1,25 U _N
Operation range	≥ 0,1 x U _N
Nominal power	1,07 W

Coil table			
	Voltage	Ω ± 10%	mA
	24	535	45
	48	2004	24
	72	4750	15
	110	11337	10

Insulation	Volt rms, 1 min
Pollution grade	PD3
Pulse (1,2 /50hs) Dielectric strenght (1Minute/V rms)	
Contact/coil	4KV / 2200V
Between different poles	4KV / 2200V
Between contact and the same pole	1550 / 850V

Specifications	
Ambient temperature operation/storage	-25 (no ice)...70 °C / -40 ... 80 °C
Number of mechanical operations	≥ 20 millions
Thermic class	B (130° C)
Vibration : category / class	1 / B Body mounted
Vibration	5-150Hz (3 axes)
Shock	5g (3 axes)
Operation (UN) / release time	10 ms/ 15 ms
Weight	35 g
Weight avg. Relay + Socket (S7-M)	75g
Protection class	IP40

Standard types		
VDC 24, 48, 72, 110	R7-T21/DC ... V	R7-T22/DC ... V
LED	R7-T21X/DC ... V	R7-T22X/DC ... V
Free wheeling diode	R7-T21D/DC ... V	R7-T22D/DC ... V
LED + free wheeling diode	R7-T21DX/DC ... V	R7-T22DX/DC ... V

"..." Enter the voltage for full type designation

Accessories	
Socket:	S7-M, S7-I/O, S7-L, S7-P, S7-P0



Connection diagram

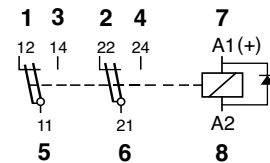


Fig. 1 AC voltage endurance

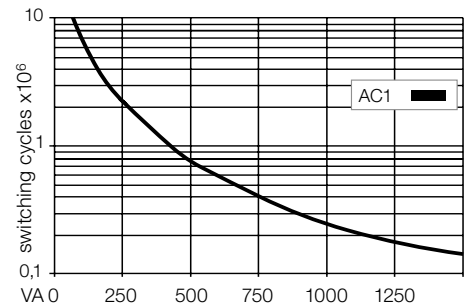
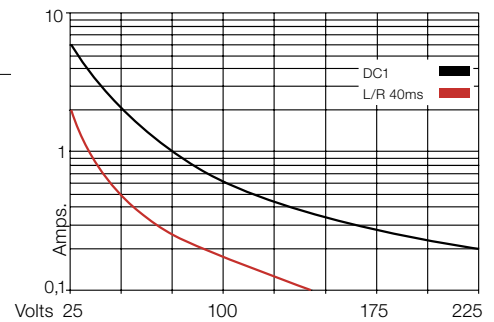
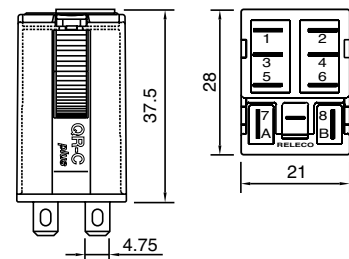


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 60077; EN 60077-1-2/99; EN 61373/99