

# SPECIFICATION

ITEM	MINIATURE RELAY (Lead Free Application)	MODEL NO.	IRQ
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● COIL VOLTAGE : DC 12V

● APPROVAL

UL ( E195815 ) / TUV ( R9859574 )

● CONTACT

Arrangement		1 Form A	1 Form C
Rating (R-load) Nominal switching capacity		UL:25A 240VAC 25A 28VDC TUV:25A 240VAC 25A 28VDC	UL:NO:20A 240VAC (TUV) 28VDC NC:10A 240VAC 28VDC
Max. switching current		30A	20A
Max. switching voltage		250VAC , 30VDC	
Max. switching power		6000VA, 700W	5000VA, 560W
Contact resistance		100mΩ Max	
Life – expectance	mechanical	1×10 <sup>7</sup> ops. Min	
	electrical	1×10 <sup>5</sup> ops. Min	
Contact material		AgSnO2	

● CHARACTERISTICS

Operate time		15.0 msec Max
Release time		10.0 msec Max
Insulation resistance		100 MΩ (DC500V)
Dielectric strength Between open contacts Between contacts and coil		1500VAC 50/60 HZ 1Minute 1500VAC 50/60 HZ 1Minute
Operating frequency		30ops / Minute
Coil temperature rise		60 deg Max
Ambient temperature		-40 ~ + 70℃
Shock resistance	Functional	10G Min
	Endurance	50G Min
Vibration resistance	Functional	10 to 55HZ Double Amplitude 1.5mm
	Endurance	10 to 55HZ Double Amplitude 1.5mm
Weight		Abt 35.0g

● COIL DATA

Nominal voltage VDC	Pick-up voltage VDC(Max)	Drop-out voltage VDC(Min)	Nominal current mA(±10%)	Coil resistance Ω (±10%)	Power consumption (mW)	Max.allowable voltage (VDC)
12	9.6	1.2	77	155	930	130%
24	19.2	2.4	39	619		

● ORDERING INFORMATION

IRQ	1A	D12	S
MODEL NAME	Contact Form 1A:1 Form A 1B:1 Form B 1C:1 Form C	Coil Vtg 12,24VDC	Nil : Open Type S : Sealed Type