

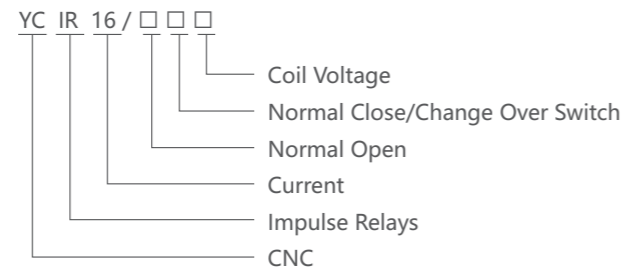
Motor Control & Protection

YCIR Impulse Relays

Product Overview

YCIR series impulse relay is a mechanical bistable relay that changes the contact state by inputting pulse signals. Contact switching current of up to 16A; a complete range of AC/DC specifications.

Type designation



eg. YCIR-16/10 DC12V, It is 16A, 1NO, 12V DC current coil voltage



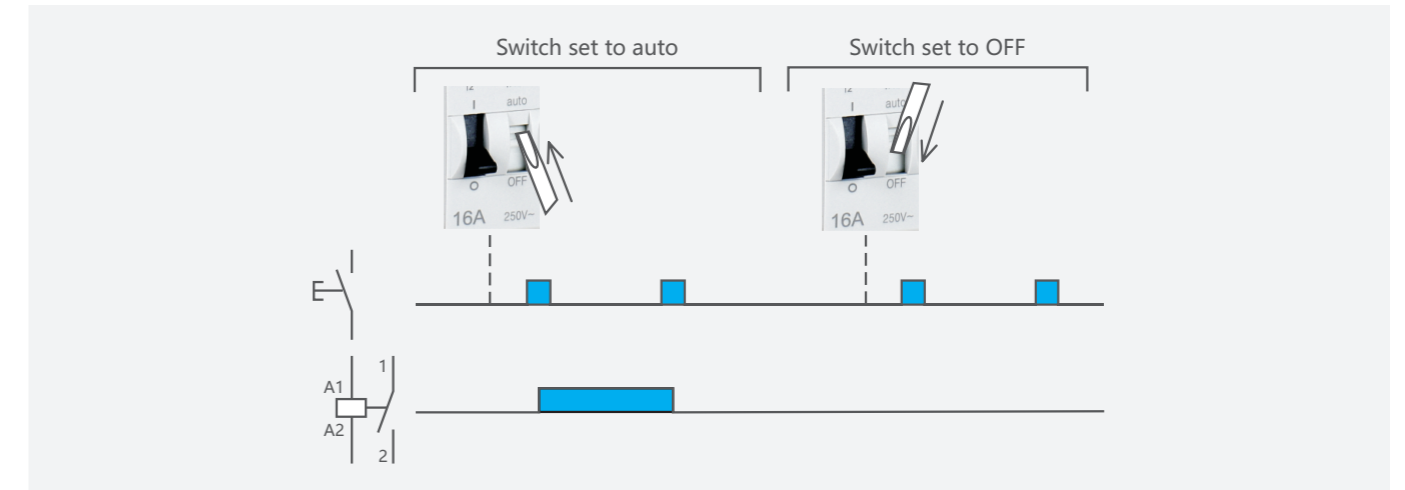
Main parameter and technical performance

Type	Data	
Dissipated power (during the impulse)	19 VA	
Illuminated PB control	Max. current 3 mA	
Operating threshold	Min. 85 % of Un	
Duration of the control order	50 ms to 1 s (200 ms recommended)	
Response time	50ms	
Voltage rating(Ue)	1P, 2P, 3P, 4P	250V AC
Rated current	16A	
Frequency	50/60Hz	
Control voltage(V)	AC24V/DC12V, AC48V/DC24V, AC110V/DC48V, AC230V/DC110V	
Maximum number of operations per minute	5	
Maximum number of switching operation a day	100	
Endurance	200,000 cycles(AC21), 100,000 cycles(AC22)	
Overvoltage category	IV	
Insulation voltage(Ui)	440 V AC	
Pollution degree	3	
Rated impulse withstand voltage(Uimp)	6kV	
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular	Ip40 (Insulation class II)
Operating temperature	-5°C ~ +60°C	
Storage temperature	-40°C ~ +70°C	
Tropicalization(IEC 60068.1)	Treatment 2 (relative humidity 95 % at 55°C)	

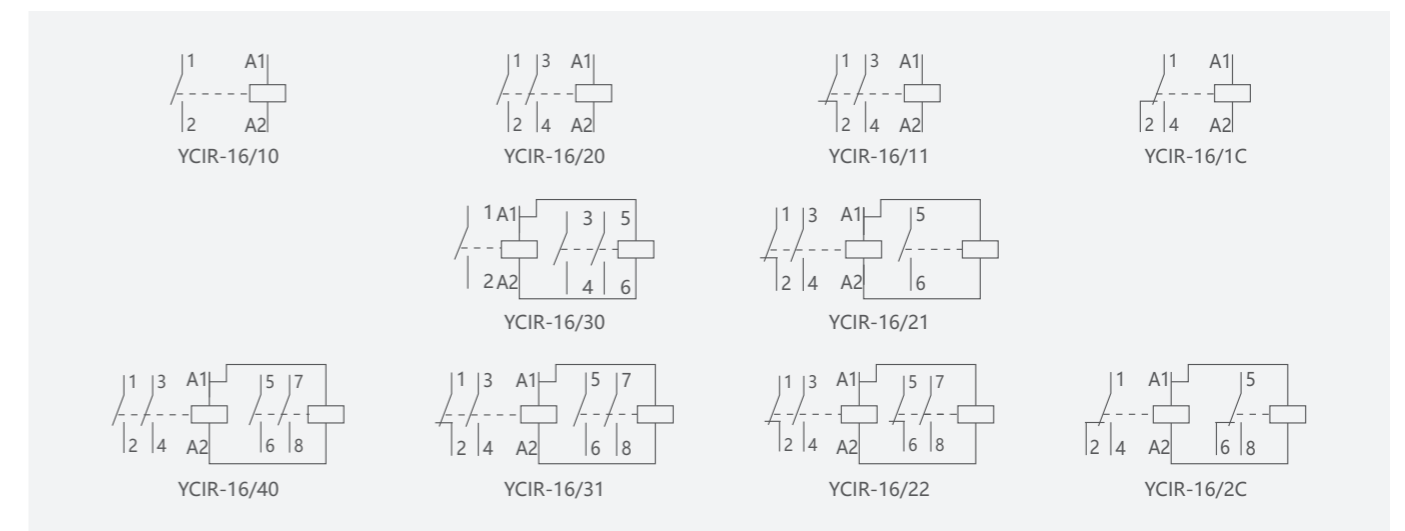
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Operation



Circuit diagram



Overall and mounting dimensions(mm)

